website:http://biz.LGservice.com
e-mail:http://www.LGEservice.com/techsup.html

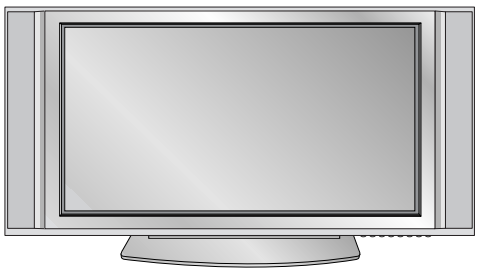
PLASMA TV
SERVICE MANUAL

CHASSIS : DF-054A

MODEL : 42PX4DV

42PX4DV-EA

CAUTION
BEFORE SERVICING THE CHASSIS,
READ THE SAFETY PRECAUTIONS IN THIS MANUAL.



CONTENTS

SAFETY PRECAUTIONS

IMPORTANT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety-related characteristics. These parts are identified by ⚠ in the Schematic Diagram and Replacement Parts List.
It is essential that these special safety parts should be replaced with the same components as recommended in this manual to prevent X-RADIATION, Shock, Fire, or other Hazards.
Do not modify the original design without permission of manufacturer.

General Guidance

An **isolation Transformer should always be used** during the servicing of a receiver whose chassis is not isolated from the AC power line. Use a transformer of adequate power rating as this protects the technician from accidents resulting in personal injury from electrical shocks.

It will also protect the receiver and it's components from being damaged by accidental shorts of the circuitry that may be inadvertently introduced during the service operation.

If any fuse (or Fusible Resistor) in this monitor is blown, replace it with the specified.

When replacing a high wattage resistor (Oxide Metal Film Resistor, over 1W), keep the resistor 10mm away from PCB.

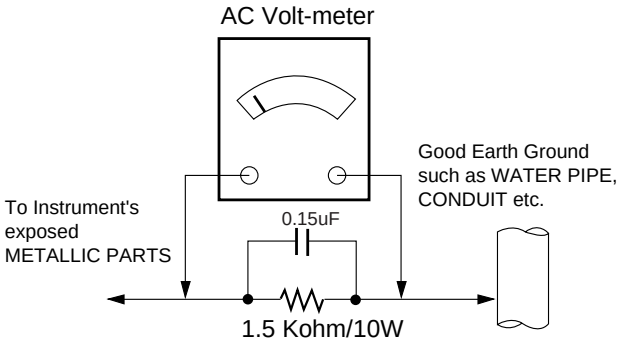
Keep wires away from high voltage or high temperature parts.

Due to high vacuum and large surface area of picture tube, extreme care should be used in **handling the Picture Tube**. Do not lift the Picture tube by it's Neck.

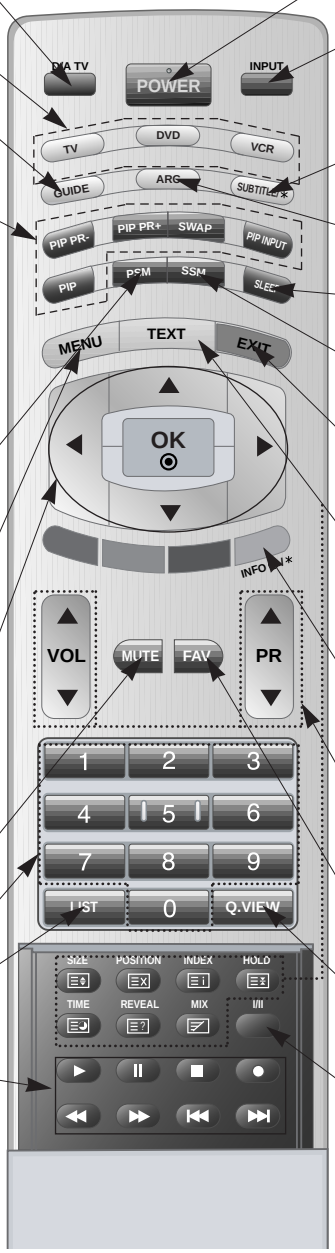
Leakage Current Cold Check(Antenna Cold Check)
With the instrument AC plug removed from AC source, connect an electrical jumper across the two AC plug prongs. Place the AC switch in the on position, connect one lead of ohm-meter to the AC plug prongs tied together and touch other ohm-meter lead in turn to each exposed metallic parts such as antenna terminals, phone jacks, etc.
If the exposed metallic part has a return path to the chassis, the measured resistance should be between 1MΩ and 5.2MΩ.
When the exposed metal has no return path to the chassis the reading must be infinite.
An other abnormality exists that must be corrected before the receiver is returned to the customer.

Leakage Current Hot Check (See below Figure)
Plug the AC cord directly into the AC outlet.
Do not use a line Isolation Transformer during this check.
Connect 1.5K/10watt resistor in parallel with a 0.15uF capacitor between a known good earth ground (Water Pipe, Conduit, etc.) and the exposed metallic parts.
Measure the AC voltage across the resistor using AC voltmeter with 1000 ohms/volt or more sensitivity.
Reverse plug the AC cord into the AC outlet and repeat AC voltage measurements for each exposed metallic part. Any voltage measured must not exceed 0.75 volt RMS which is corresponds to 0.5mA.
In case any measurement is out of the limits specified, there is possibility of shock hazard and the set must be checked and repaired before it is returned to the customer.

Leakage Current Hot Check circuit



DESCRIPTION OF CONTROLS



D/A TV
selects analogue or digital mode.

MODE
Selects another device.

GUIDE
shows a programme schedule.
(In Digital mode only)

PIP
Switches the sub picture on or off.
Selects PIP or DW modes.
PIP PR + /-
Selects a programme for the sub picture.
SWAP
Alternates between main and sub picture.
PIP INPUT
Selects the input mode for the sub picture.

PSM
Adjusts the factory preset picture according to the room.

MENU
Displays on screen menus one by one.
Exits the current menu.
Memorizes menu changes.

OK
accepts your selection or displays the current mode.

▲ / ▼ or ◄ / ►
Adjusts menu settings.
Selects menu item.

MUTE
Switches the sound on or off.

NUMBER buttons

LIST
Displays the programme table.
(In Analogue mode only)

VCR/DVD BUTTONS
Controls a LG video cassette recorder.
controls a LG DVD player.

POWER
switches the set on from standby or off to standby.

INPUT
Selects the TV, AV, Component, RGB or HDMI modes.
switches the set on from standby.

SUBTITLE/✱
switches the subtitle on or off in Digital mode.

ARC
Changes the picture format.

SLEEP
Sets the sleep timer.

SSM
To select the sound appropriate to your viewing programme.

EXIT
Clears all on-screen displays and returns to TV viewing from any menu.

TEXT
These buttons are used for teletext.
For further details, see the 'Teletext' section.
COLOURED BUTTONS : These buttons are used for teletext (only TELETEXT models) or programme edit.

INFO/ ⓘ /✱ (option)
displays information on top of the screen whilst watching the TV.
(In Digital mode only)

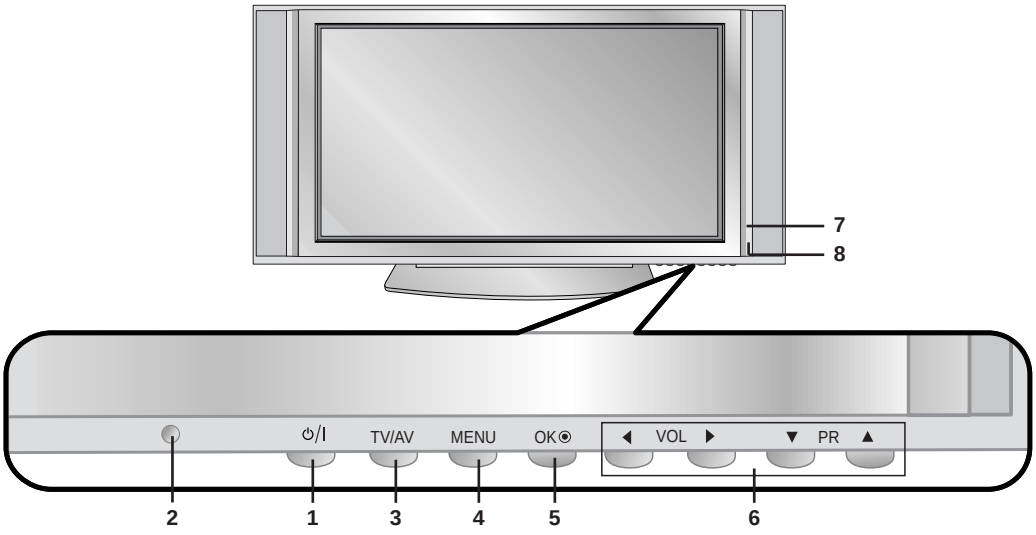
VOL ▲ / ▼ (Volume Up/Down)
Increases/decreases sound level.
PR ▲ / ▼ (Programme Up/Down)
Selects a programme.

FAV
selects a favourite programme.

Q.VIEW
Returns to the previously viewed programme.

I/II
Selects the language during dual language broadcast.
Selects the sound output.

<Front Panel Controls>



1. **Power Button**
   Switches the set on from standby or off to standby.

2. **Remote Control Sensor**

3. **TV/AV Button**
   Selects the TV, AV, Component, RGB or HDMI modes.
   Switches the set on from standby.

4. **MENU**
   Displays on screen menus one by one.
   Exits the current menu.
   Memorizes menu changes.

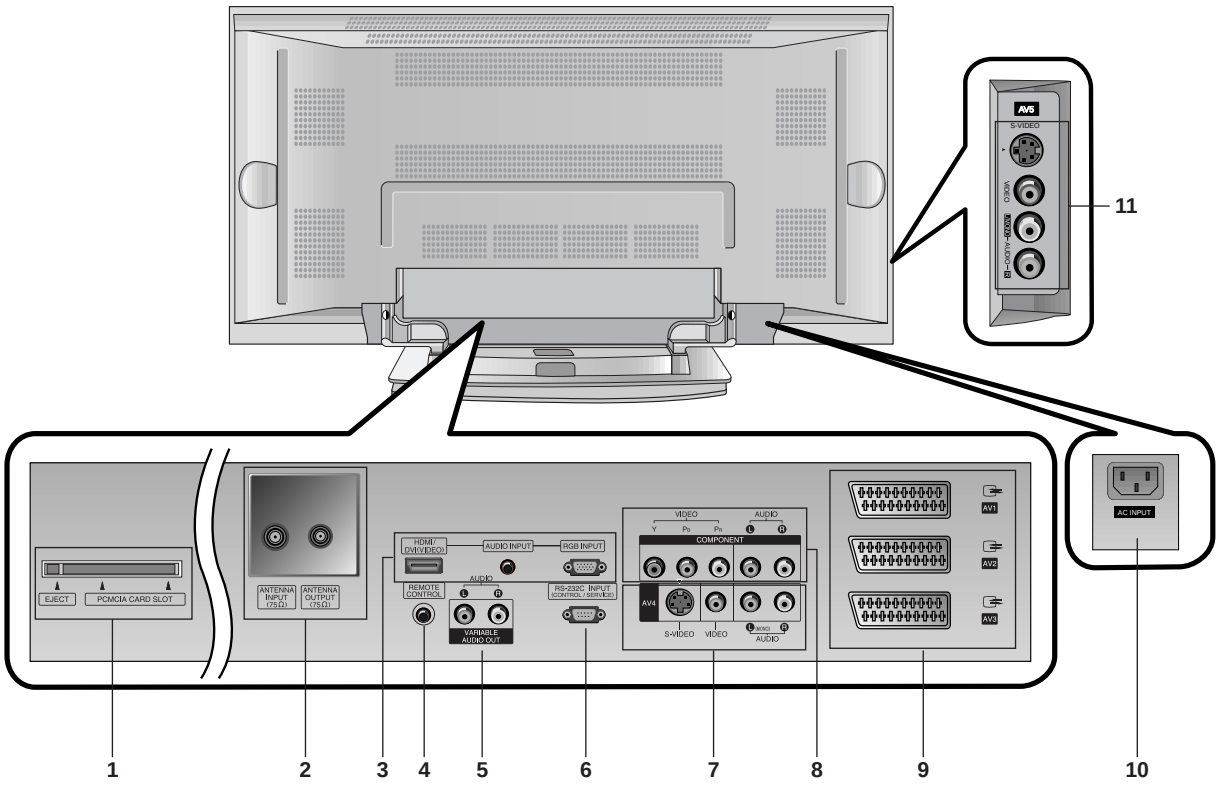
5. **OK**
   Accepts your selection or displays the current mode.

6. **▲ / ▼ (Programme Up/Down)**
   Selects a programme or a menu item.
   Switches the set on from standby.
   ◀ / ▶ (Volume Up/Down)
   Adjusts the volume.
   Adjusts menu settings.

7. **Power Indicator**
   Illuminates red in standby mode, Illuminates green when the set is turned on

8. **Intelligent Eye**
   Adjusts picture according to the surrounding conditions.

<Back Panel>



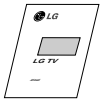
1. **PCMCIA (Personal Computer Memory Card International Association) Card Slot**
2. **ANTENNA INPUT/OUTPUT**
3. **HDMI(DVI VIDEO) / AUDIO INPUT / RGB INPUT**
   Connect the monitor output socket of the PERSONAL COMPUTER to this socket.
   Note: *If you want to use RGB/DVI audio, we strongly recommend that you use the cable that has a core, or the EMI Filter core along with separate cable.*
4. **REMOTE CONTROL**
5. **VARIABLE AUDIO OUT SOCKETS**
6. **RS-232C INPUT (CONTROL/SERVICE) PORT**
   Connect to the RS-232C port on a PC.
7. **AUDIO/VIDEO IN SOCKETS (AV4)**
   Connect the audio/video out sockets of external equipment to these sockets.
   S-VIDEO/AUDIO IN SOCKETS
   Connect the S-VIDEO out socket of an VCR to the **S-VIDEO** socket.
   Connect the audio out sockets of the VCR to the audio sockets as in **AV4**.
8. **COMPONENT INPUT**
   Connect DVD video outputs to Y, P_B, P_R of COMPONENT INPUT and audio outputs to Audio sockets of AUDIO INPUT.
9. **EURO SCART SOCKET**
   Connect the euro scart socket of the VCR to these sockets.

Note:

a. If you want to use the EURO scart cable, you have to use the signal shielded Euro scart cable.
b. If the S-VIDEO(Y/C) signal is received through the Euro scart socket 2 (AV2), you must change to the SAV2 mode.

10. **POWER CORD SOCKET**
    This set operates on AC power. The voltage is indicated on the Specifications page. Never attempt to operate the Monitor on DC power.
11. **AUDIO/VIDEO IN SOCKETS (AV5)**
    S-VIDEO/AUDIO IN SOCKETS

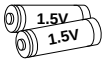
Accessories



Owner's Manual

Remote Control handset

2-Eye Bolts



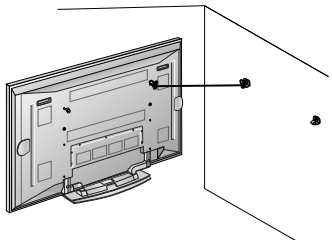
Alkaline batteries

Power Cord

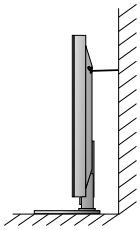
2-Wall brackets

Joining the set assembly to the wall to prevent the set tumbling

- Secure the set assembly by fixing it to a wall by using the Eye Bolts/Wall brackets.



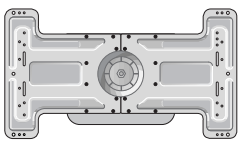
• If the set is to be mounted on a desk top, insert the 2 Eye-Bolts and tighten them securely in the upper holes as shown.
Install the wall brackets on the wall with 2 bolts*, (not supplied with the product), as shown.
Match the height of the Eye-Bolts and the wall brackets.
Check to be sure the Eye-Bolts and the brackets are tightened securely.



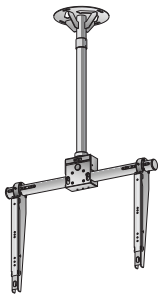
• Secure the set assembly to the wall with strong strings or wound wire cables, (not supplied with the product), as shown.

Optional Extras

- Optional extras can be changed or modified for quality improvement. Without any notification, new optional extras can be added.
- Contract your dealer for the purchasing of these items.



Tilt wall mounting bracket



Ceiling mounting bracket

Video cables

Audio cables

SPECIFICATIONS

NOTE : Specifications and others are subject to change without notice for improvement.

■ Application Range

This spec is applied to the 42” PDP TV used DF-054A Chassis.

■ Specification

Each part is tested as below without special appointment.

1) Temperature : 25±5°C (77±9°F), CST : 40±5
2) Relative Humidity: 65±10%
3) Power Voltage: Standard Input voltage (100-240V~, 50/60Hz)
   * Standard Voltage of each product is marked by models.
4) Specification and performance of each parts are followed each drawing and specification by part number in accordance with BOM.
5) The receiver must be operated for about 20 minutes prior to the adjustment.

■ Test Method

1) Performance : LGE TV test method followed.
2) Demanded other specification
   Safety : IEC/EN60065
   EMI : En55013
   EMS : En55020

■ General Specification

1) Module Specification (42” VGA Module)

No	Item	Specification	Remark
1	Display Screen Device	42 inch wide Color Display Module	PDP
2	Aspect Ratio	16:9	
3	PDP Module	PDP42V7xxxx, RGB Closed Type, Film Filter	
4	Operating Environment	1)Temp. : 0~40deg 2)Humidity : 0~85%	
5	Storage Environment	3)Temp. : -20~60deg 4)Humidity : 0~85%	
6	Input Voltage	100-240V~, 50/60Hz	Maker : Sony/ LG Innotek/ Sanken

2) Model General Specification

No	Item	Specification	Remark
1	Market	The United Kingdom	
2	Broadcasting system	1) PAL-BG	UK
		2) PAL-DK 3) PAL-I,I' 4)DVB-T(ID TV)	
3	Receiving system	Analog : Upper Heterodyne Digital : COFDM	
4	Scart Jack (3EA)	PAL, SECAM	
5	Video (2EA)	PAL, SECAM, NTSC	4 System : PAL, SECAM, NTSC, PAL60
6	S-Video Input (2EA)	PAL, SECAM, NTSC	4 System : PAL, SECAM, NTSC, PAL60
7	Component Input (1EA)	Y/Cb/Cr, Y/Pb/Pr	
8	RGB Input	RGB-PC, RGB-DTV	
9	HDMI Input	HDMI-PC HDMI-DTV & SOUND	
10	Audio Input (4EA)	PC Audio, Component, AV (2EA)	L/R Input
11	Wired Control	Discrete IR	

ADJUSTMENT INSTRUCTIONS

1. Application Object

These instructions is applied all of the 42” PDP TV, DF-054A Chassis.

2. Specification

(1) Because this is not a hot chassis, it is not necessary to use an isolation transformer. However, the use of isolation transformer will help protect test instrument.
(2) Adjustment must be done in the correct order.
(3) The adjustment must be performed in the circumstance of 25±5°C of temperature and 65±10% of relative humidity if there is no specific designation.
(4) The input voltage of the receiver must keep 100-220V, 50/60Hz.
(5) The receiver must be operated for about 15 minutes prior to the adjustment.

- After RGB Full white HEAT-RUN Mode, the receiver must be operated prior to adjustment.
- Enter into HEAT-RUN MODE
  1) Press the POWER ON KEY on R/C for adjustment.
  2) OSD display and screen display 100% full White pattern.

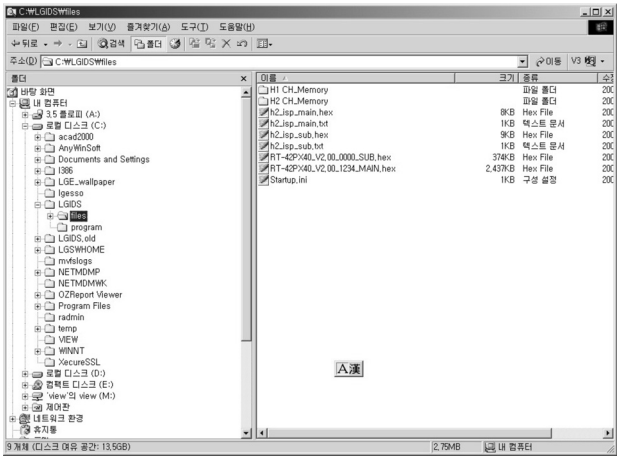
※ Set is activated HEAT-RUN without signal generator in this mode.
※ Single color pattern(RED/BLUE/GREEN) of HEAT-RUN mode uses to check PANEL.

Caution) If you turn on a still screen more than 20 minutes, (Especially digital pattern, cross hatch pattern) after image may be occur in the black level part of the screen.

3. Channel memory

3-1. Setting up the LGIDS

1) Install the LGIDS. (idsinst.exe)
2) After installation, restart your PC.
3) Extract [files.zip] to folder [c:\LGIDS\files].
4) Start LGIDS.

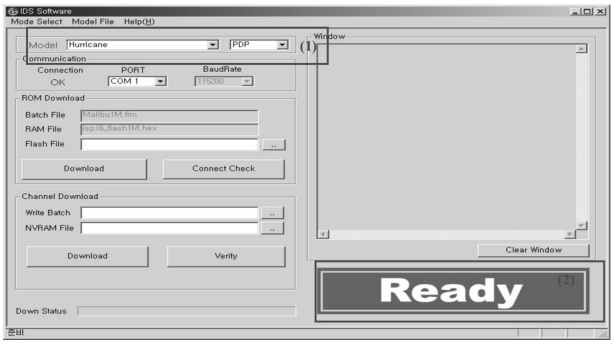


(Fig. 1)

3-2. Channel memory Method

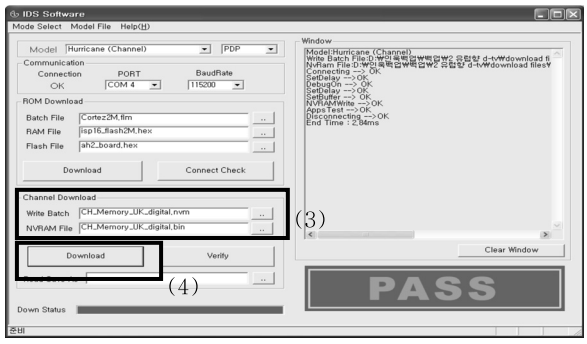
1) Select “PDP” and “Hurricane” on Model dialog. And check your connection in Communication dialog. (If your connection is ‘NG’, then set your PORT(COM1,2,3,...) correctly.)
2) Connect RS-232C cable and turn on the power.
   (If your connection has completed, you can see “Ready”.)

※ If your set is not an end products but only a board, you have to make your board to Stand-by state (LED_R). And you have to Download in Stand_by power state.



(Fig. 2)

3) Select proper CH_memory file(*.nvm) for each model at [NVRAM Download] ⟶ [Write Batch]
   Next, select proper binary file(*.bin) including the CH information for each model at [NVRAM File].
   File name : H2_CH_Memory_RZ.nvm
4) Click the [Download] button.
   It means the completion of the CH memory download if all items show ‘OK’ and Status is changed by ‘PASS’ at the lower right corner of the window.
5) If you want to check whether the CH information is memorized correctly or not, click the [Verify] button.
   And then compare NVRAM File(*.bin) with the CH information downloaded.



(Fig. 3)

4.Sub Program Down Load

1) Select " PDP" and "Hurricane" on Model dialog. and check your connection in Communication dialog. (If your connection is 'NG', then set your PORT(COM1,2,3,...) correctly.
2) Connect RS232 cable and turn on the power. (Use the special Cable for Sub-program)
   (If your connection has completed, you can see 'Ready')
3) Select proper 'Model' for each model.
4) Select 'flash file' for each model.
5) Click the [Download] button.
   It means the completion of the ROM download if all items show 'OK' and Status is changed by 'PASS' at the lower right corner of the window.

(Fig. 4)

Each PCB assembly must be checked by check JIG set.
(Because power PCB Assembly damages to PDP Module, especially be careful)

5 POWER PCB Assy Voltage Adjustments (Va, Vs Voltage Adjustments)

5-1. Test Equipment : D.M.M. 1EA

5-2.Connection Diagram for Measuring

: refer to fig.5

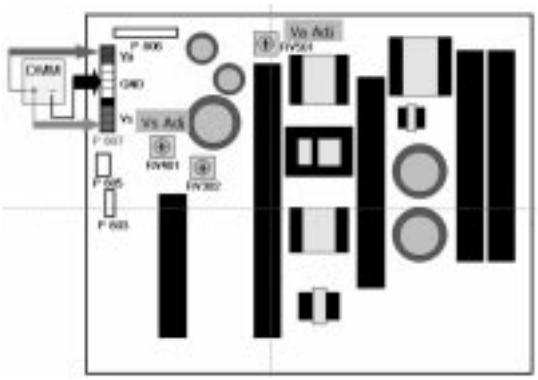
5-2. Adjustment Method [P/No 3501V00220A(Sanken PSU) B/D]

(1) Va Adjustment

1) After receiving 100% Full White Pattern, HEAT RUN.
2) Connect + terminal of D.M.M to Va pin of P807, connect - terminal to GND pin of P807.
3) After turning RV501, voltage of D.M.M adjustment as same as Va voltage which on label of panel right/top. (Deviation; ±0.5V)

(2) Vs Adjustment

1) Connect + terminal of D.M.M to Vs pin of P807, connect – terminal to GND pin of P807.
2) After turning RV401, voltage of D.M.M adjustment as same as Va voltage which on label of panel right/top. (Deviation; ±0.5V)



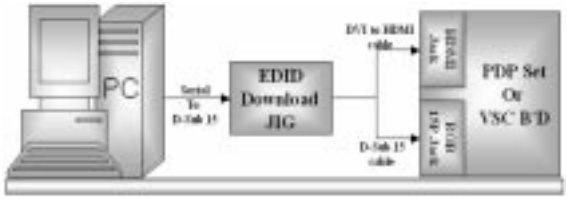
(Fig. 5) Connection diagram of power adjustment for measuring

6. EDID (The Extended Display Identification Data)/ DDC (Display Data Channel) download

6-1. Required Test Equipment

1) Adjusting PC with S/W for writing EDID Data.(S/W : EDID TESTER Ver.2.5)
2) A Jig for EDID Download
3) Cable : Serial(9Pin or USB) to D-sub 15Pin cable, D-sub 15Pin cable, DVI to HDMI cable

6-2. Setting of device



(Fig. 6) Connection Diagram of DDC download

6.3. Preparation for Adjustment

1) As above Fig. 5, Connect the Set, EDID Download Jig, PC & Cable.
2) Turn on the PC & EDID Download Jig. And Execute the S/W : EDID TESTER Ver,2.5
3) Set up S/W option
   Repeat Number : 5
   Device Address : A0
   PageByte : 8

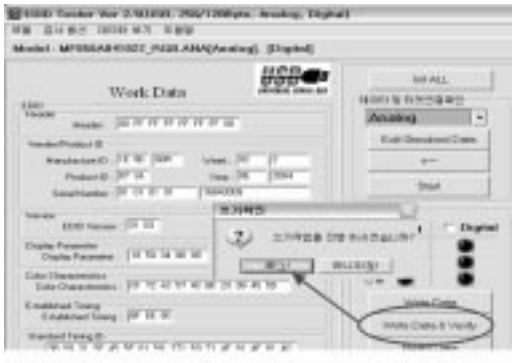
4) Power on the Set

6.4. Sequence of Adjustment

(1) DDC data of Analog-RGB

1) Init the data

2) Load the EDID data.(Open File)
   [Analog(RGB) : H2_VGA_XGA_RGB(2B52.ANA]
   [Digital(HDMI) : H2_VGA_HDMI(CB50).DVI] (VGa only)
   [Digital(HDMI) : H2_VGA_HDMI(0F0F).DVI] (XGA only)
3) Set the S/W as below.
4) Push the “Write Data & Verify”button. And confirm “Yes”.
5) If the writing is finished, you will see the “OK” message.



7. Auto AV(CVBS) Color Balance

7-1. Requirement

■ This AV color balance adjustment should be performed befor white Balance Adjustment

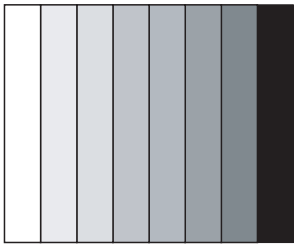
■ It is very import to use adjustment pattern like Fig.7
1) Within the pattern, color sequence should be aligned
   : W-Y-C-G-M-R-BLUE-BLACK
   (If color seqence is reversed (Black -> ... -> White), reverse the pattern with REV key, when using Master patern generator like MSPG-925)
2) If minimum Black level and/or maximum White level is not correct, select 100% color bar pattern.

7-2. Required Equipment

1) Remote controller for adjustment
2) AV Pattern Generator
   : 802F Pattern Generator, Master(MSPG-925FA), etc
   (Which has PAL Composite Video format output with standard(1.0 Vpp) Vertical 100% Color Bar Pattern as Fig7)

7-3. Method of Auto AV(CVBS) Color Balance

1) Input the PAL Composite Video (Fig6. 100% Color Bar Pattern) into video input.
   (RCA : AV1, SCART : AV3 Input, PAL : 50Hz, NTSC : 60Hz)
2) Set the PSM to Standard mode in Picture menu.
3) Press INSTAR key on R/C for adjustment.
4) Press the ▶(Vol. +) key operate to set, then it becomes automatically.
5) Auto-RGB OK means completed adjustment.



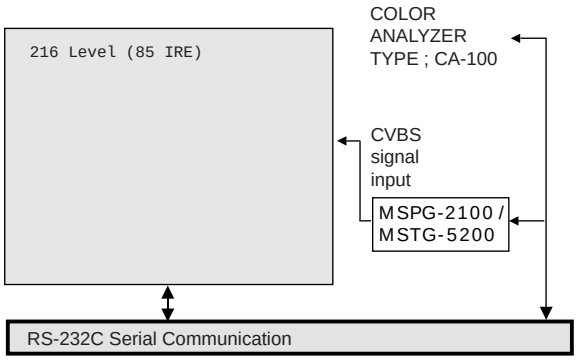
(Fig. 7) Auto AV(CVBS) Color Balance Test Pattern

8. Adjustment of White Balance

8-1. Required Equipment

1) Remote controller for adjustment
2) Color Analyzer (CA-100 or same product)
3) Auto W/B adjustment instrument(only for Auto adjustment)
4) AV Pattern Generator

8-2. Connecting diagram of equipment for measuring (For Auto Adjustment)



(Fig. 8) Connection Diagram of Auto W/B Adjustment

◆ Auto adjustment Map(RS-232C)

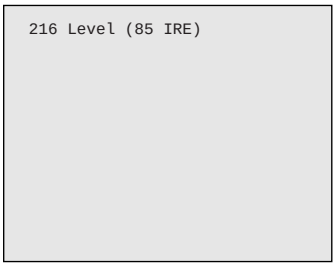
Type		DF-054A : 42PX4DV				
Baud Rate		Data bit		Stop bit		Parity
115200		8		1		NONE
Protocol Setting	Index	Cmd1	Cmd2	Data	Min Value	Max Value
	R Gain	j	a		00(00)	255(FF)
	G Gain	j	b		00(00)	255(FF)
	B Gain	j	c		00(00)	255(FF)
	R Offset	j	d		00(00)	255(FF)
	G Offset	j	e		00(00)	255(FF)
	B Offset	j	f		00(00)	255(FF)

8-3. Adjustment of White Balance
(For Manual adjustment)

- Operate the zero-calibration of the CA-100, then stick sensor to PDP module surface when you adjust.
- For manual adjustment, it is also possible by the following sequence.

1) Select white pattern of heat-run mode by pressing power on key on remote control for adjustment then operate heat run more than 15 minutes.
2) As below Fig.9, Supply 216Level (85 IRE) full screen pattern to Video input.
   (Input 50Hz, 42PXDV/42PX4DVA : AV4/AV5 Input)
3) Press the TV/AV KEY on R/C for converting input mode.
4) Set the PSM to Standard mode in Picture menu.
5) Enter the White Balance adjustment mode by pressing the INSTART key twice(White Balance) on R/C.
6) Stick sensor to center of the screen and select each items (Red/Green/Blue Gain and Offset) using ▲ / ▼(CH +/-) key on R/C.
7) Adjust Only High Light with R Gain/ B Gain using ◄ / ► (VOL+/-) key on R/C.
8) Adjust it until color coordination becomes as below.
   (Initially, R/G/B gain and R/G/B offset values are fixed
   Red Gain : 82, Green Gain : 80, Blue Gain : 86
   Red Offset : 7D, Green Offset : 7E, Blue Offset : 80)

   [DF-054A/C]-VGA 42”
   Bright : High Light : 80 ± 20cd/m2
   Color-Coordinate : High Light : X : 0.287 ± 0.003
   Y : 0.291 ± 0.003
   Color Temperature : 9,300°K ± 500°K
9) When adjustment is completed, Exit adjustment mode using EXIT key on R/C

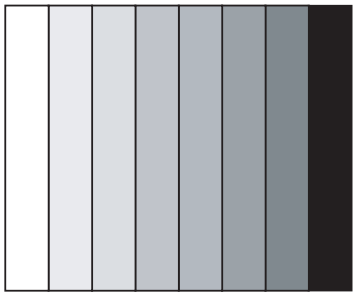


(Fig. 9) Pattern for Adjjustment of White Balance

9. Auto Component Color Balance

9-1. Requirement

- It is very import to use correct adjustment pattern like fig.9
  - ■ Within the pattern, color sequence should be aligned
    : W-Y-C-G-M-R-BLUE-BLACK
    (If color sequence is reversed(Black -> ... > White), reverse the pattern with REV key, when using Master pattern generator like MSPG-925)
  - ■ If Minimum Black Level and/or Maximum White Level is not correct, select 100% Color Bar Pattern.



(Fig. 10) Auto Component Color Balance Test Pattern

9-2. Required Test Equipment

1) Remote controller for adjustment
2) 802F Pattern Generator
   (Which has 720p Ypbpr output with Standard(0.7Vpp) Vertical 100% Color Bar Pattern as Fig.10)

9-3. Method of Auto Component Co lor Balance

1) Input the Component 720p 100% Color Bar signal into Component1 or Component2.
2) Set the PSM to Standard mode in Picture menu.
3) Press INSTART key on R/C for adjustment.
4) Press the ►(Vol. +) key operate to set, then it becomes automatically.
5) Auto-RGB OK means complete adjustment

10. Auto RGB Color Balance

10-1. Requirement

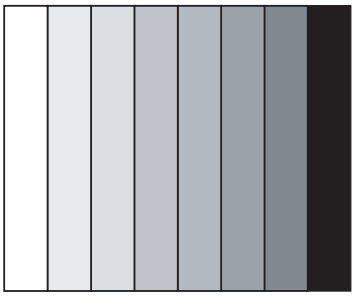
- It is very import to use correct adjustment pattern like fig.9
  - ■ Within the pattern, color sequence should be aligned
    : W-Y-C-G-M-R-BLUE-BLACK
    (If color sequence is reversed(Black -> ... > White), reverse the pattern with REV key, when using Master pattern generator like MSPG-925)
  - ■ If Minimum Black Level and/or Maximum White Level is not correct, Do select 100% Color Bar Pattern.

10-2. Required Test Equipment

1) Remote controller for adjustment
2) 802F Pattern Generator, Master(MSPG-925FA), etc.
   (Which has XGA 60Hz PC Format output with standard (0.7Vpp) 100% Color Bar Pattern as Fig.11)

10-3. Method of Auto RGB Color Balance

1) Input the PC 1024x768 60Hz 100%Color bar into RGB.
2) Set the PSM to Standard mode in Picture menu.
3) Press ADJ key on R/C for adjustment.
4) Press the ►(Vol. +) key operate To set, then it becomes automatically.
5) Auto-RGB OK means completed adjustment.



(Fig. 11) Auto RGB Color Balance Test Pattern

10. Default value in adjustment mode

10-1. Auto Color Balance (Component/RGB)

Auto Color Balance(HEX)	
Auto-RGB	► To Set
Source	Cortez
Red Offset1	22
Green Offset1	24
Blue Offset1	23
Red Offset2	45
Green Offset2	43
Blue Offset2	37
Red Gain	014
Green Gain	031
Blue Gain	011
Reset	► To Set

(Fig. 12) Default Value on OSD

10-2. White Balance

White Balance(Hex)	
Red Gain	82
Red Offset	80
Green Gain	86
Green Offset	7D
Blue Gain	7E
Blue Offset	80
Reset	► To Set

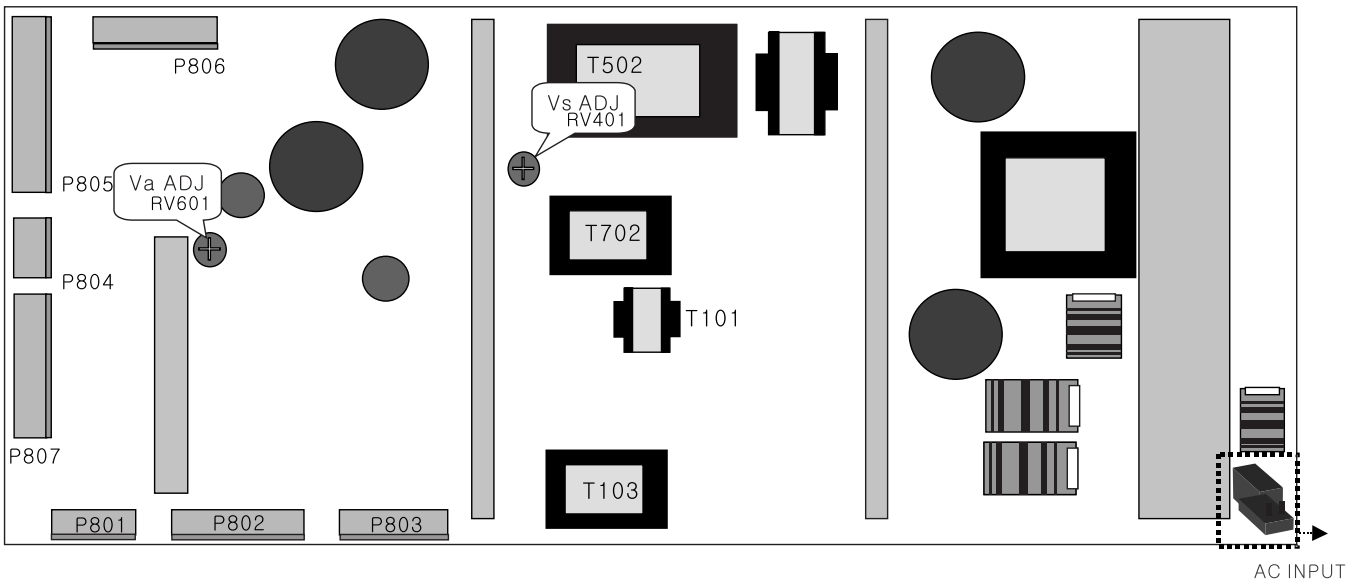
(Fig. 13) Default Value on OSD

TROUBLE SHOOTING GUIDE

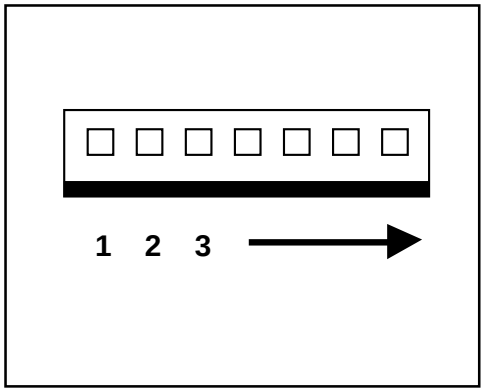
1. Power Board

1-1. The whole flowchart which it follows in voltage output state

1-2. Sony Power Board Structure



PIN No	1	2	3	4	5	6	7	8	9	10	11	12
P801	POD	5V-MNT	VS-ON	GND	STBY5V	RL-ON	A-ON					
P802	GND	GND	12V	12V	GND	GND	6V	6V	GND	GND	3.4V	3.4V
P803	GND	12V	GND	3.4V	GND	6V	GND	GND	25V	25V		
P804	GND	GND	5V	5V								
P805	Vs	Vs	Vs	NC	GND	GND	GND	GND	Va	Va		
P806	5V	GND	Va	GND	GND	NC	Vs	Vs				
P807	5V	5V	5V	5V	GND	GND	GND	GND				



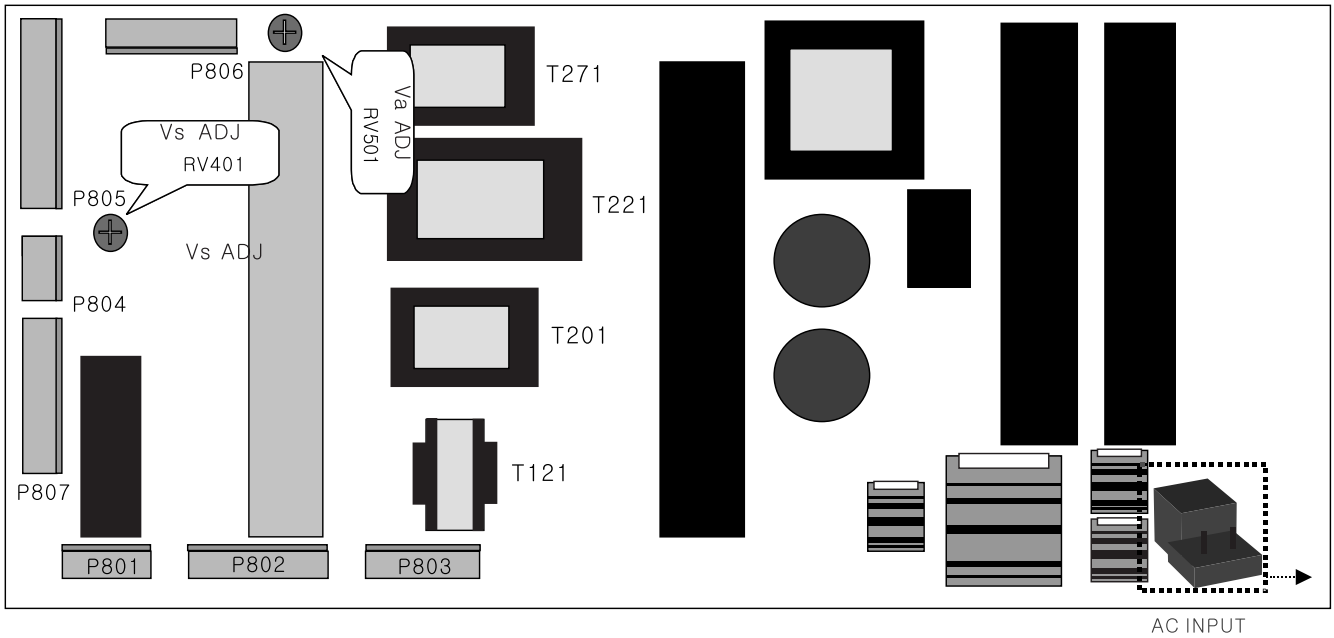
T502: Vs Trans

T702: Va Trans

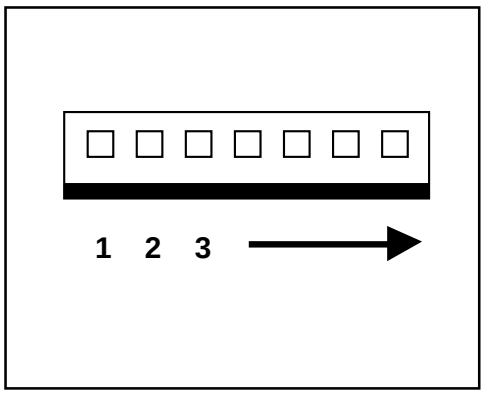
T101: St-by Trans

T103: Low Voltage Trans

1-3. Sanken, LGIT Power Board Structure



PIN No	1	2	3	4	5	6	7	8	9	10	11	12
P801	NC	5V-MNT	VS-ON	GND	STBY5V	RL-ON	A-ON					
P802	GND	GND	12V	12V	GND	GND	6V	6V	GND	GND	3.4V	3.4V
P803	GND	12V	GND	3.4V	GND	6V	GND	GND	19V	19V		
P804	GND	GND	5V	5V								
P805	Vs	Vs	Vs	NC	GND	GND	GND	GND	Va	Va		



T221: Vs Trans

T271: Va Trans

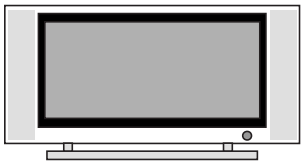
T121: St-by Trans

T201: Low Voltage Trans

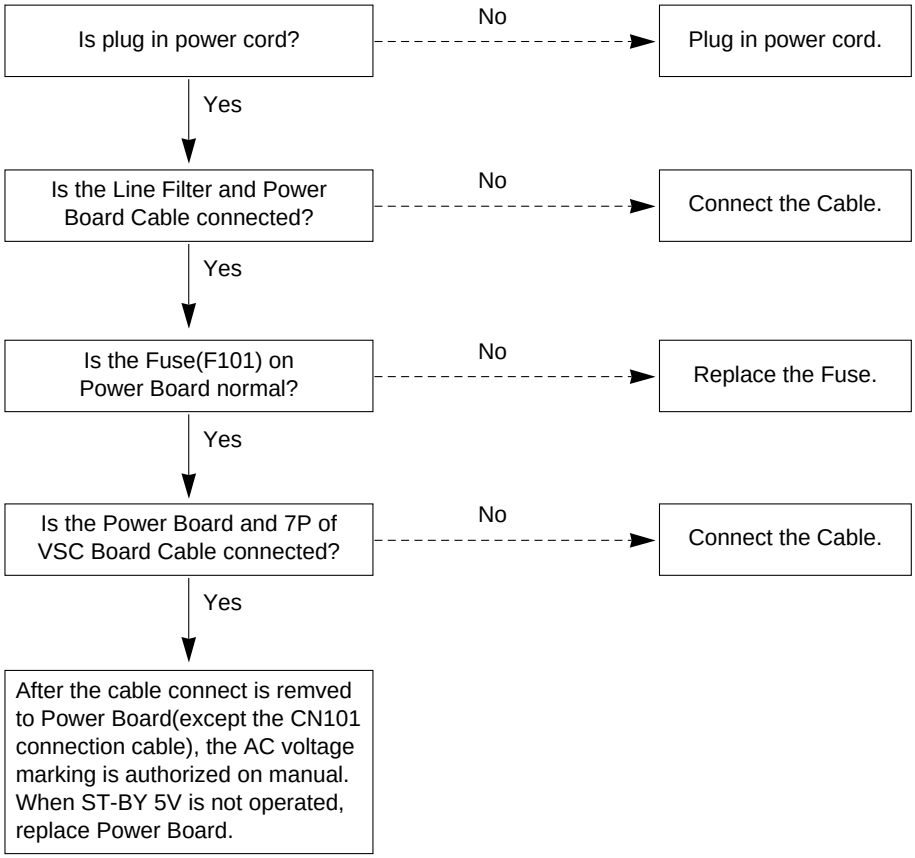
2. No Power

(1) Symptom

- It is not discharged minutely from the module.
- Light does not come in into the front LED.



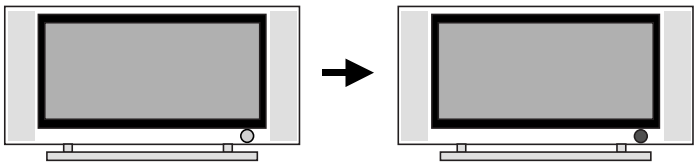
(2) Check following



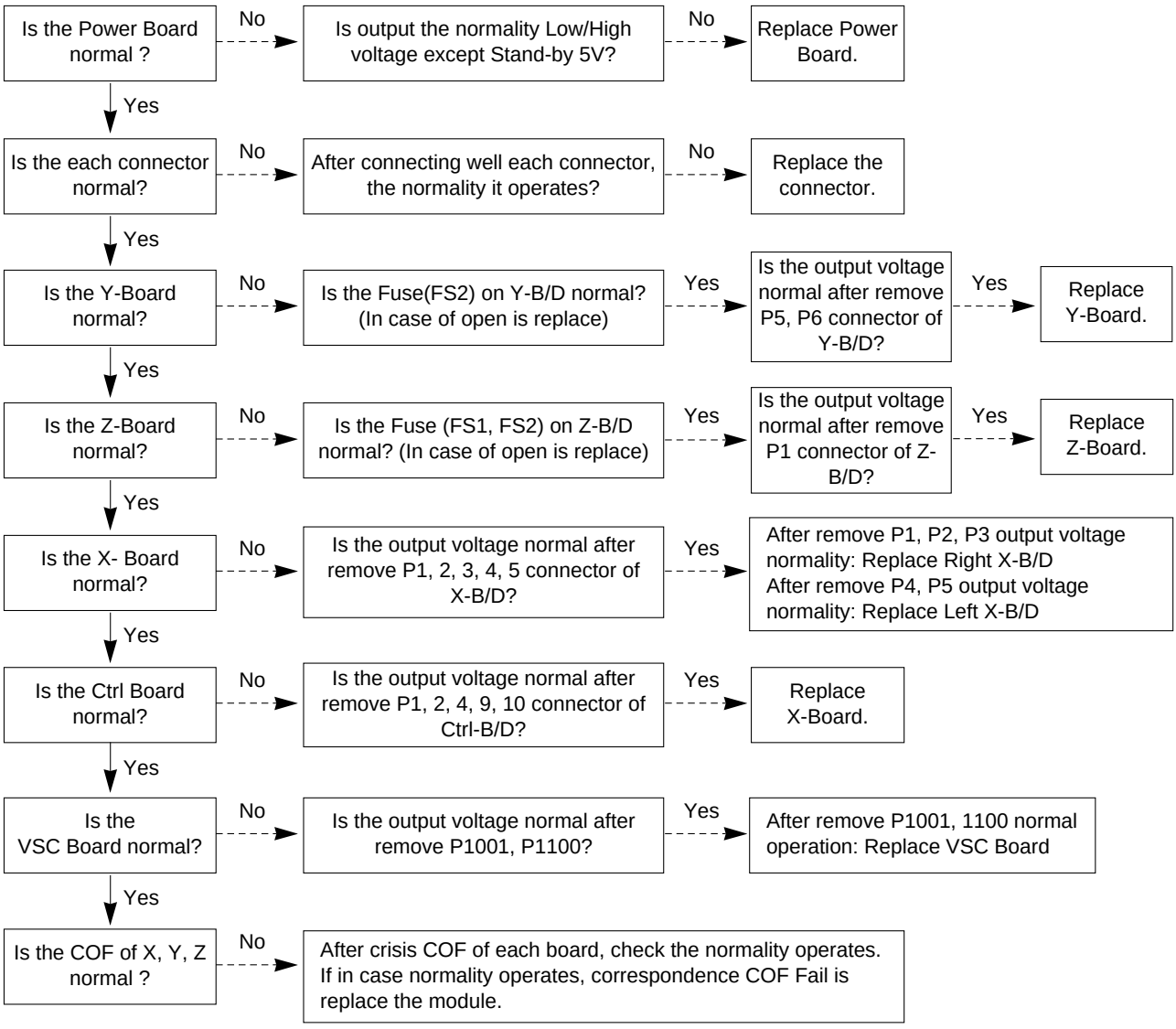
3. Protect Mode

(1) Symptom

- After once shining, it does not discharge minutely from module
- The Rely falls(The sound is audible “click”)
- It is converted with the color where the front LED is red from green.



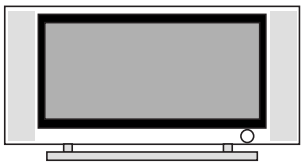
(2) Check following



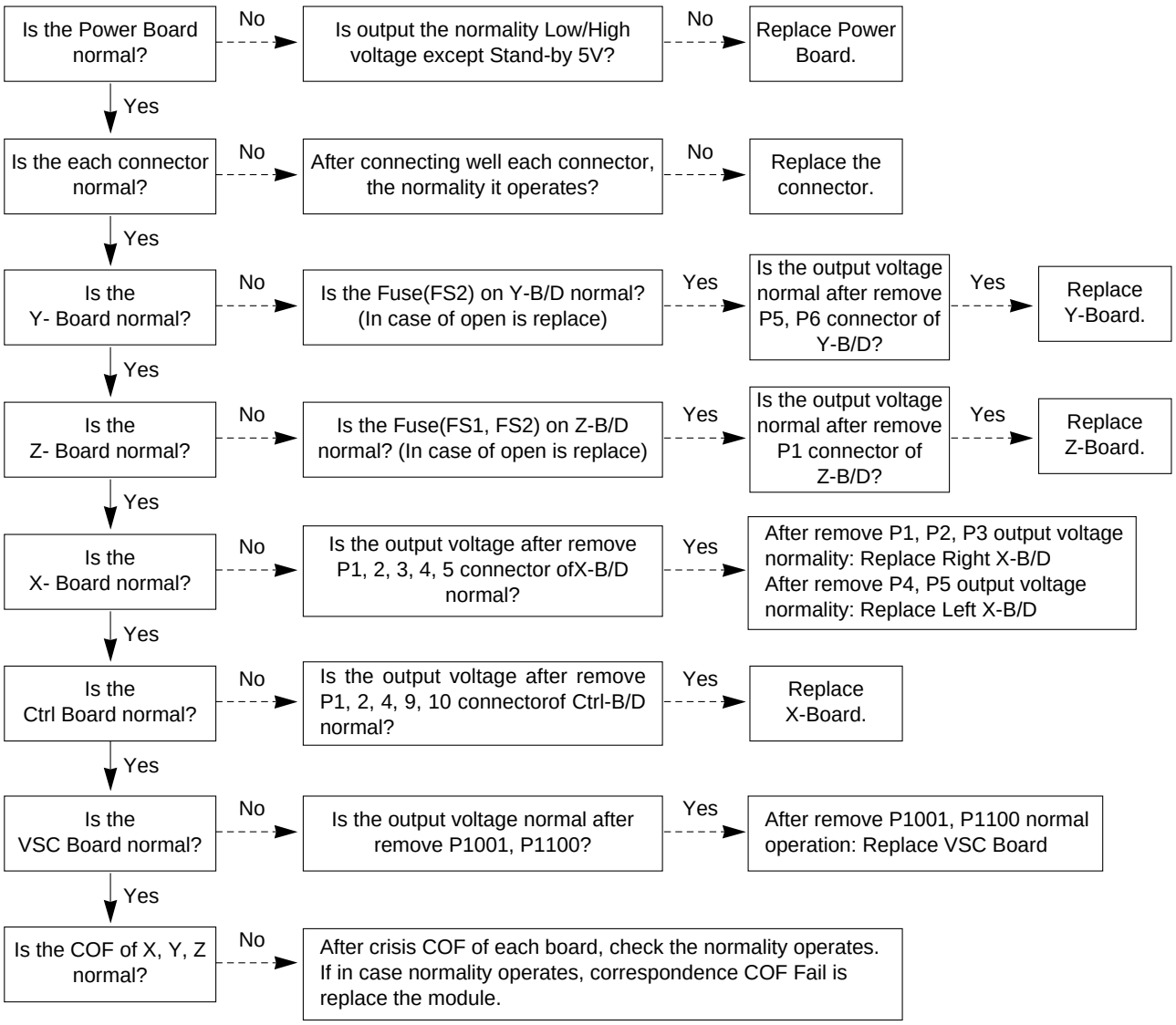
4. No Raster

(1) Symptom

- It does not discharged from the module.
- It maintains the condition where the front LED is green.

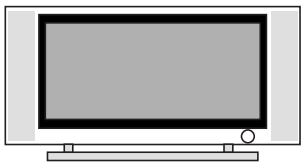


(2) Check following



5. In the case of occurring strange screen into specific mode

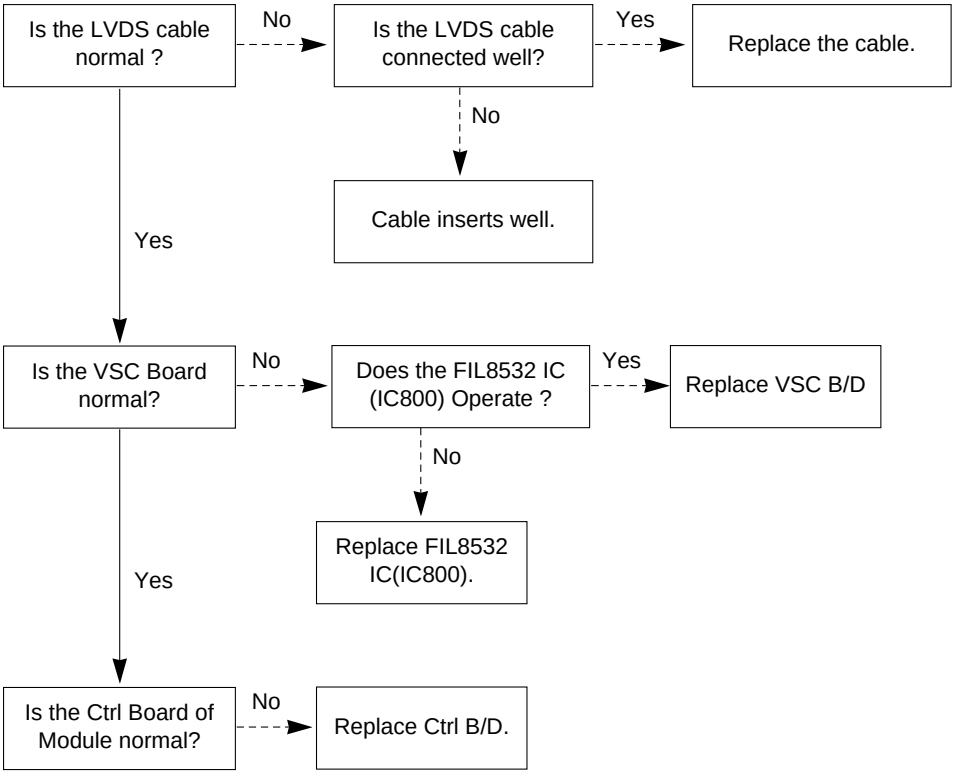
5-1. In case the OSD does not displayed



(1) Symptom

- LED is green
- The minute discharged continuously becomes accomplished from module

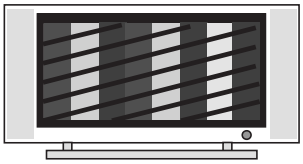
(2) Check following



5-2. In case of does't display the screen into specific mode

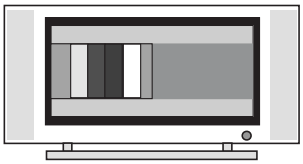
(1) Symptom

- The screen does not become the display from specific input mode (RF, AV, Component, RGB, DVI).

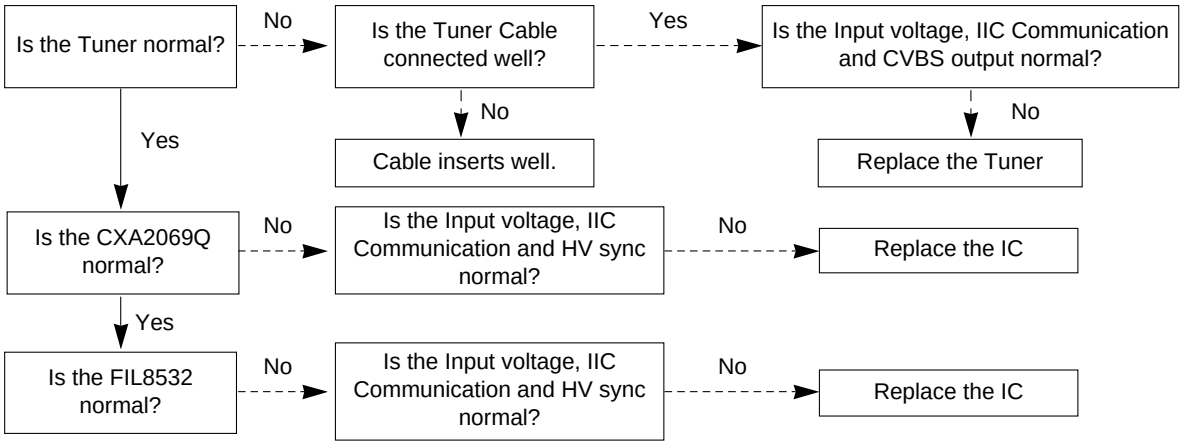


(2) Check following

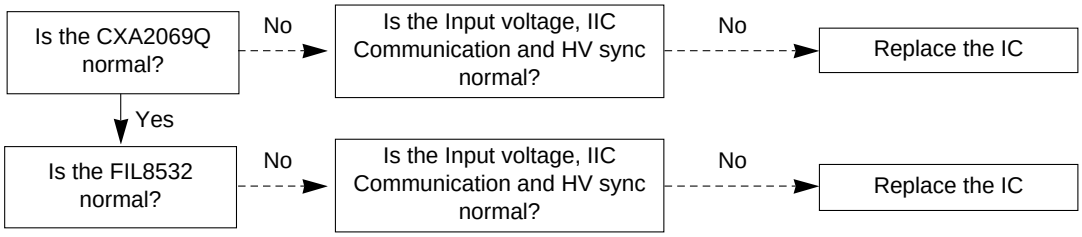
- Check the all input mode should become normality display.
- Check the Video(Main)/Data(Sub), Video(Main)/Video(Sub) should become normality display from the PIP mode or DW mode. (Re-Check it Swap)



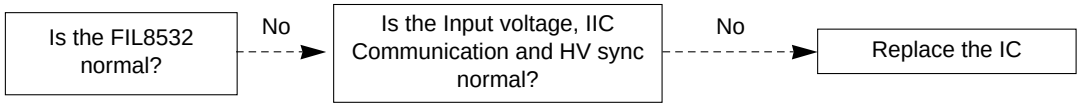
(3) In case of becomes unusual display from RF mode



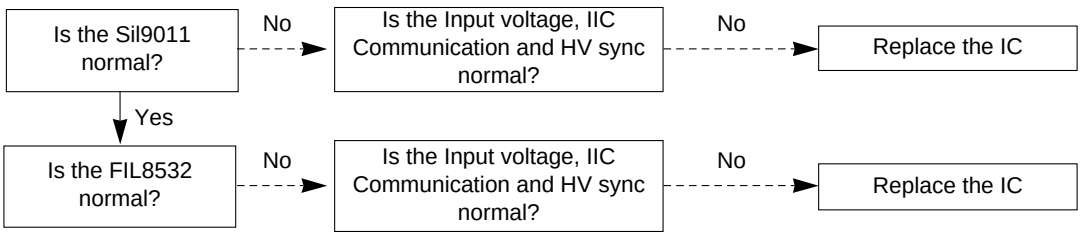
(4) In the case of becomes unusual display from RF, AV mode



(5) In the case of becomes unusual display from Component, RGB mode



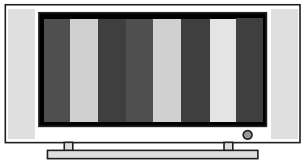
(6) In the case of becomes unusual display from HDMI mode



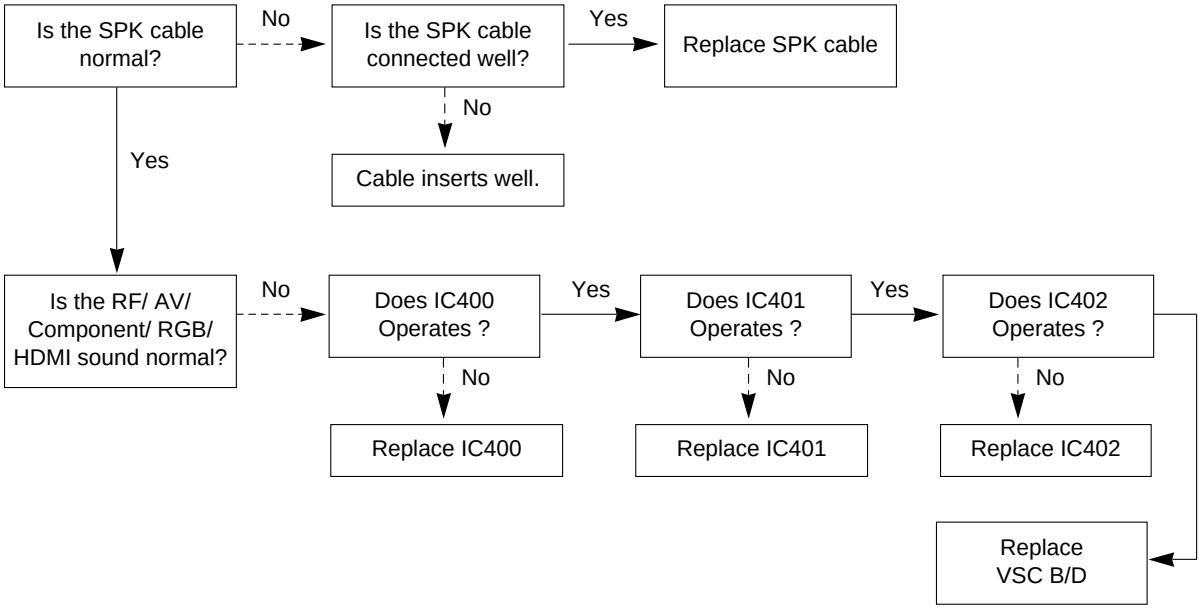
6. In case of no sound

(1) Symptom

- LED is green
- Screen display but sound is not output

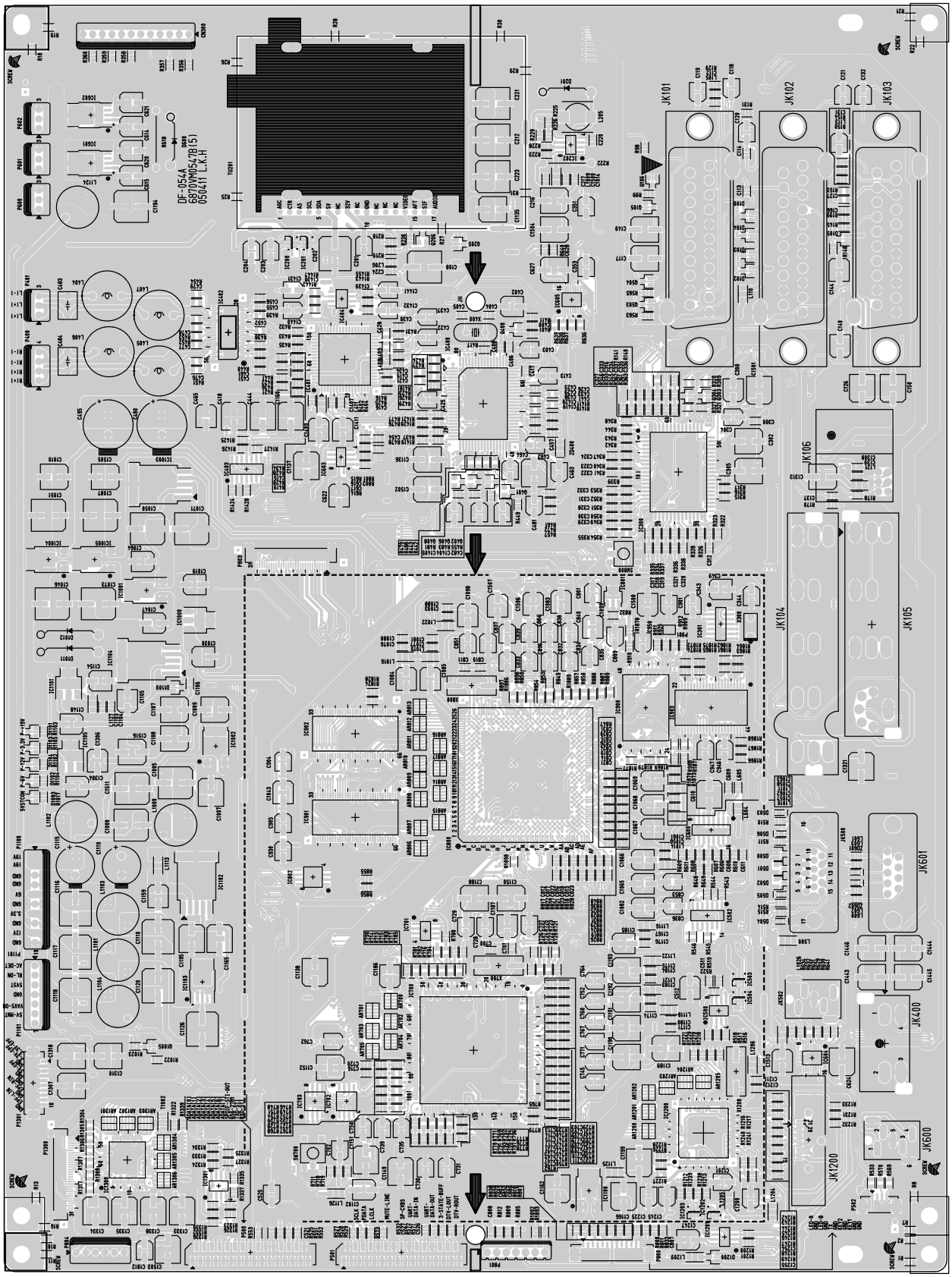


(2) Check following

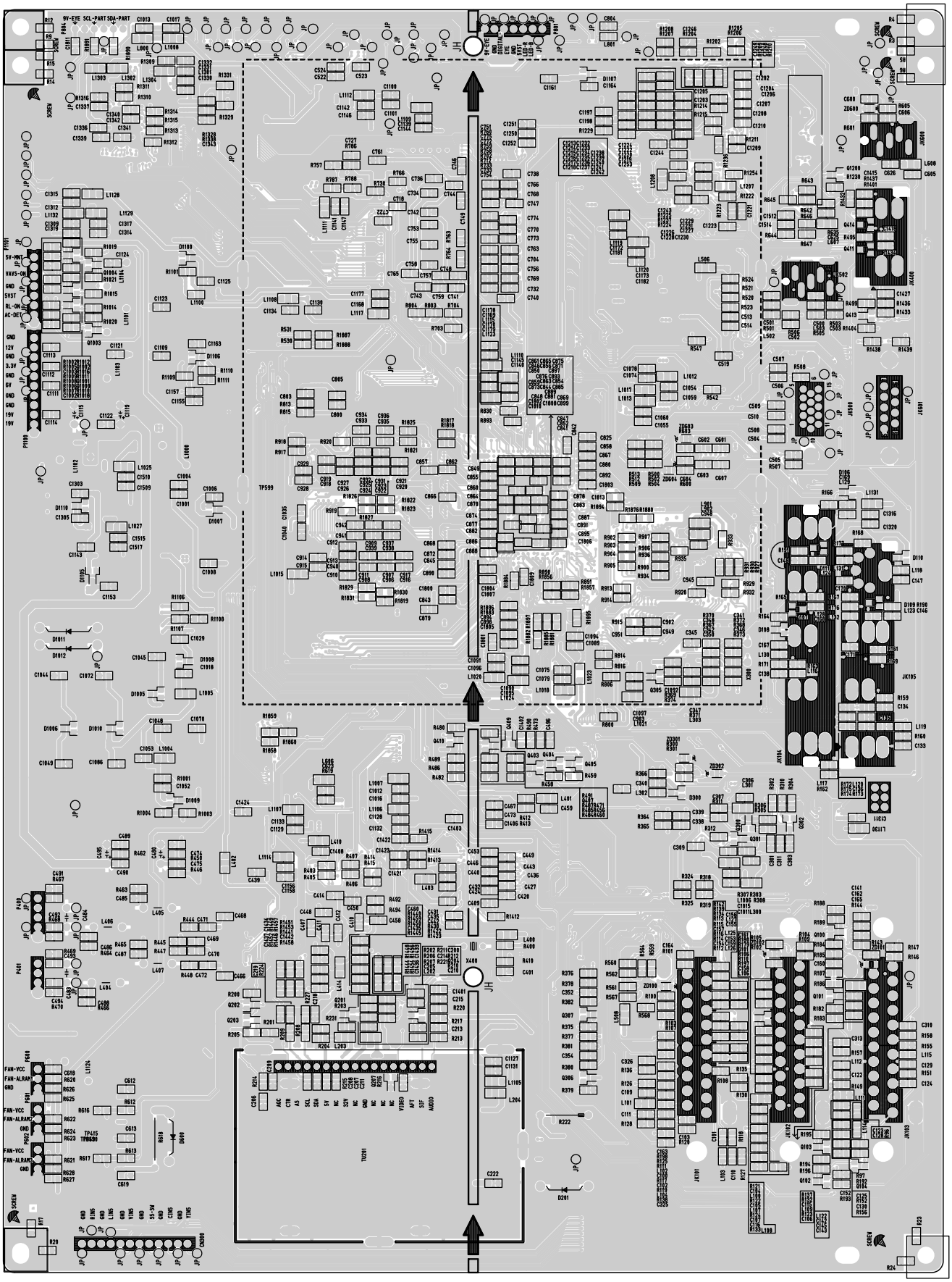


PRINTED CIRCUIT BOARD

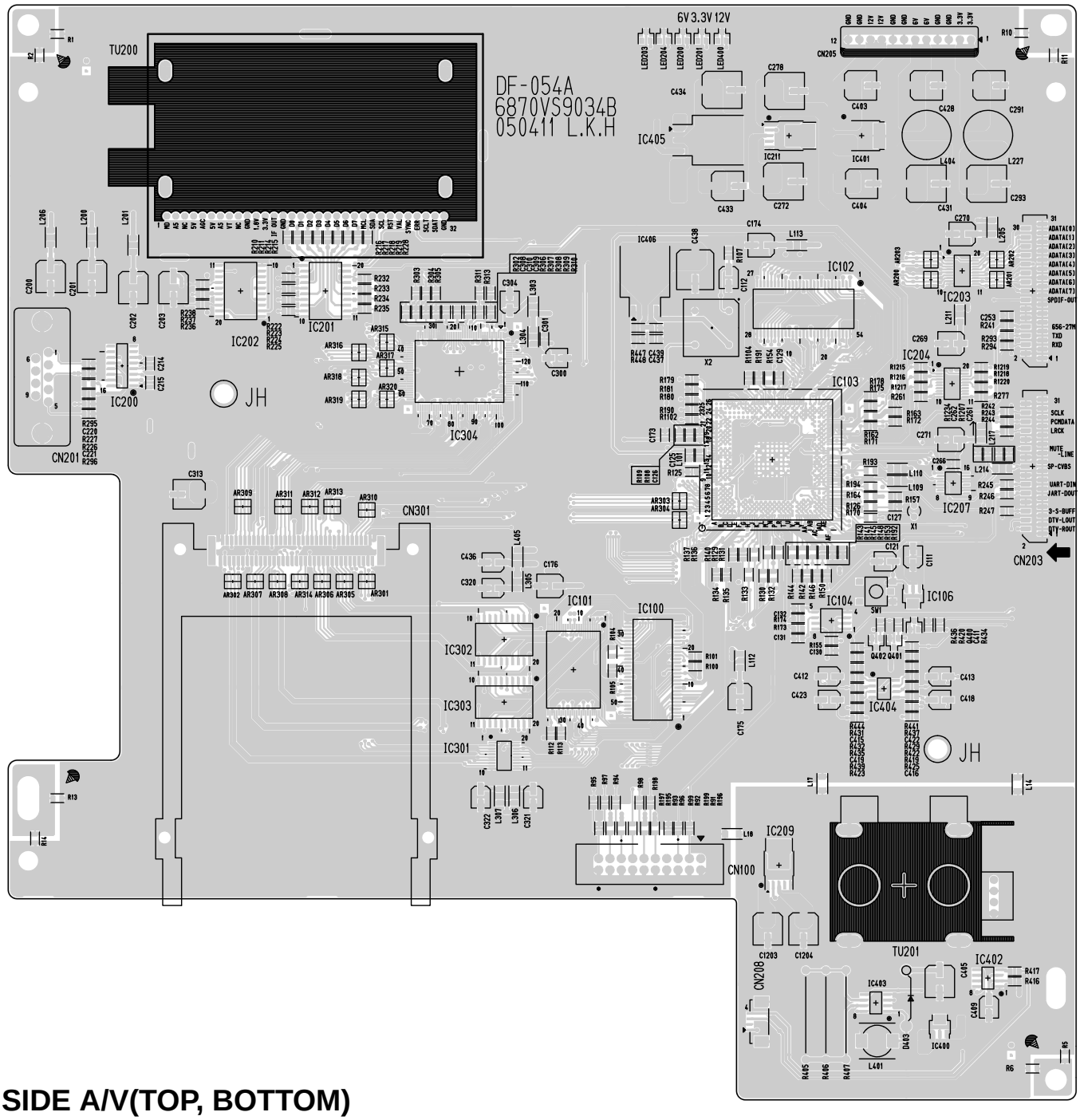
MAIN(TOP)



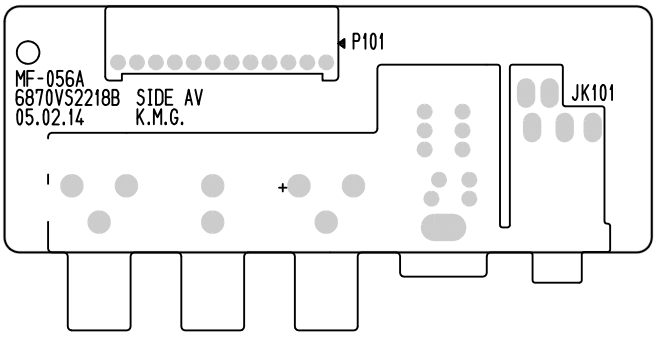
MAIN(BOTTOM)

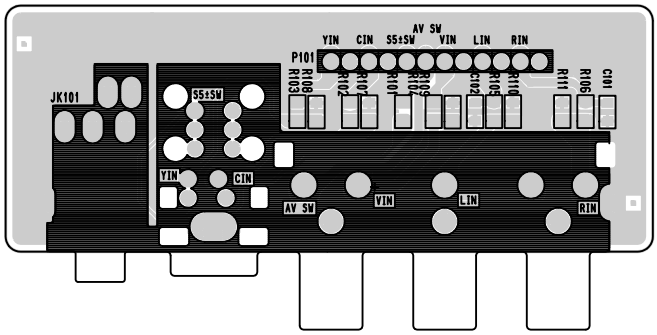


DIGITAL(TOP)

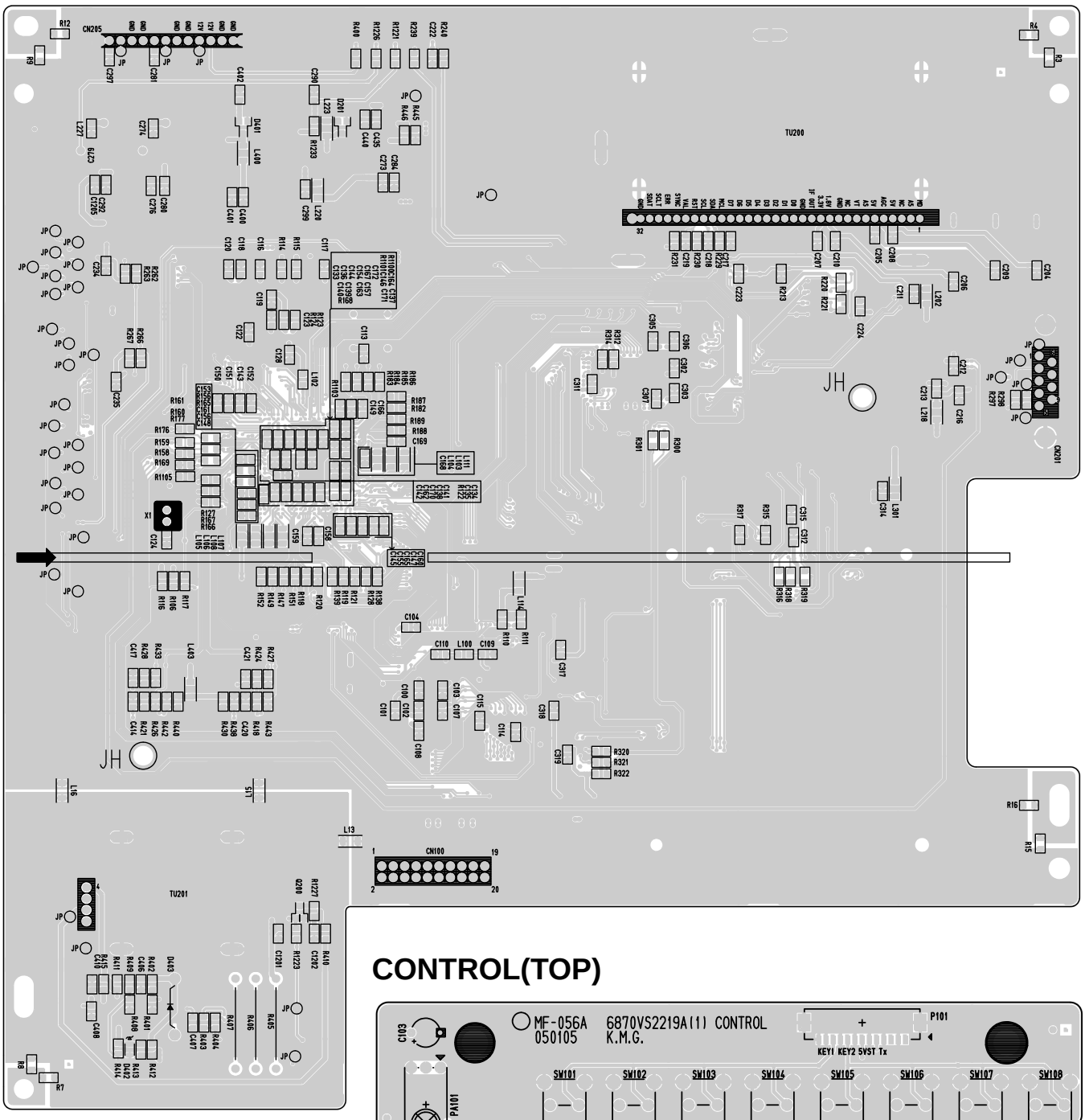


SIDE A/V(TOP, BOTTOM)



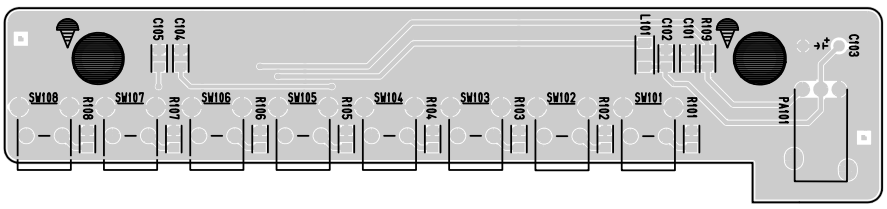


DIGITAL (BOTTOM)

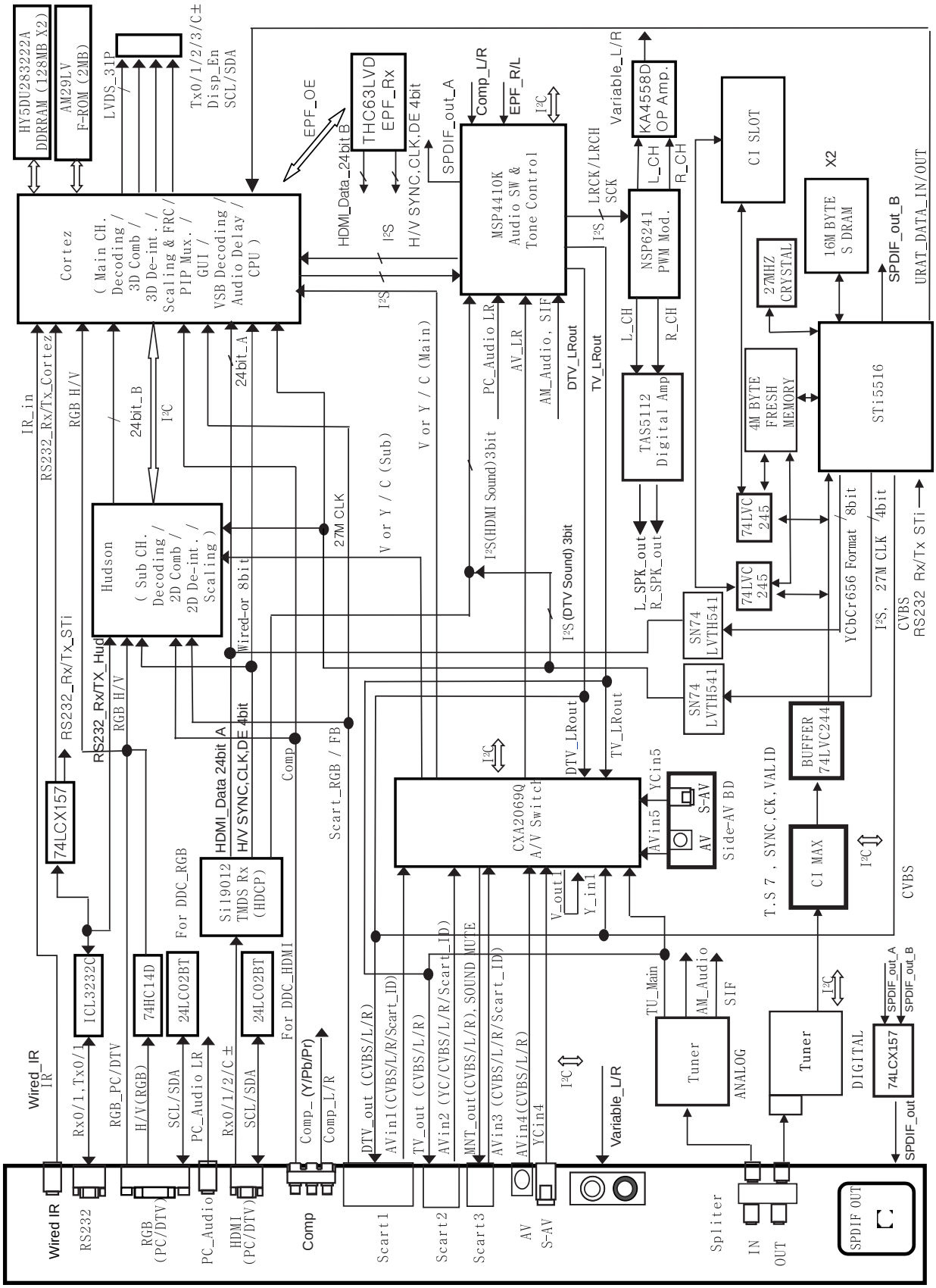


CONTROL(TOP)

CONTROL(BOTTOM)

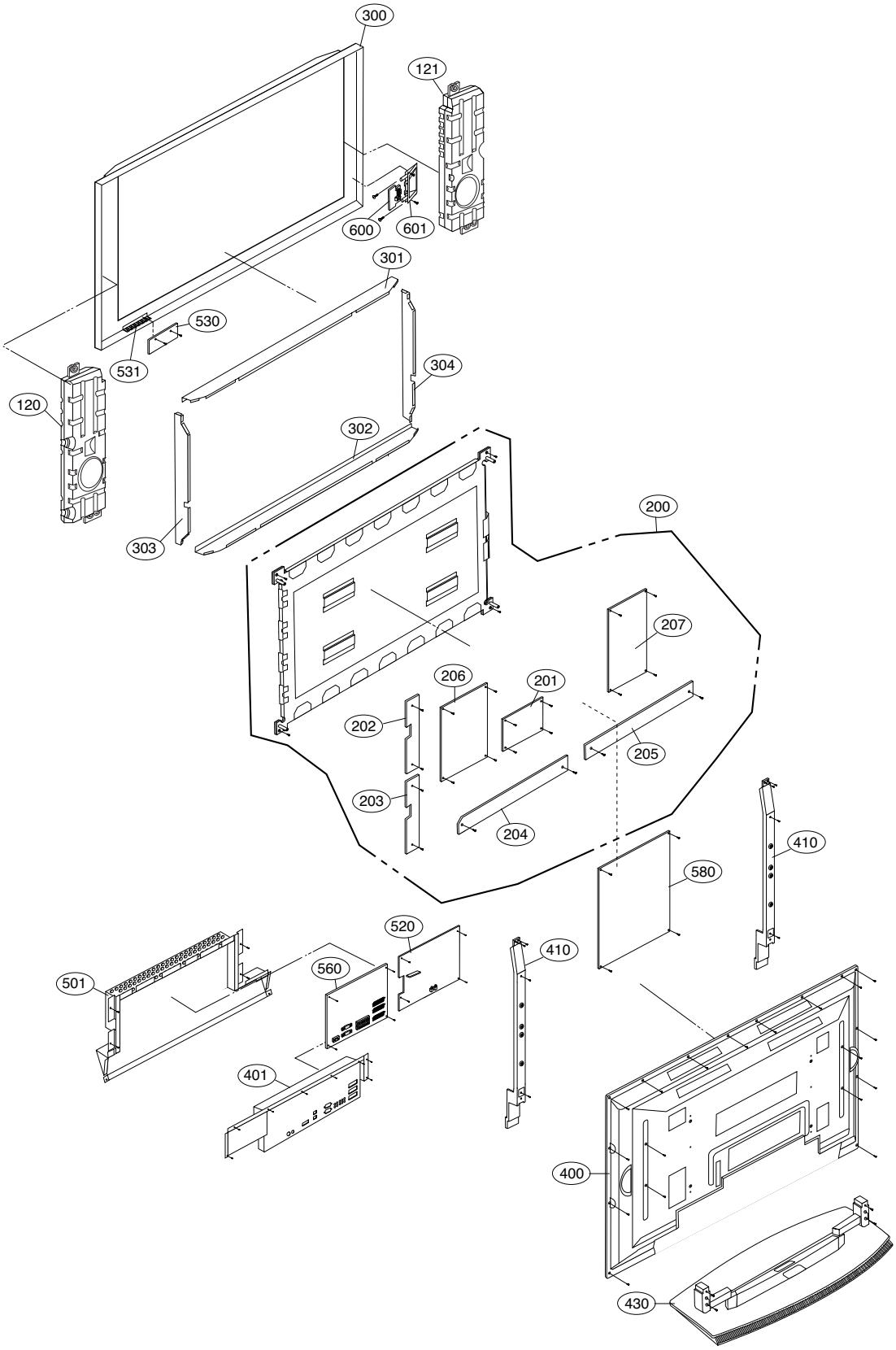


BLOCK DIAGRAM



MEMO

EXPLODED VIEW



EXPLODED VIEW PARTS LIST

No.	Part No.	Descriptions
120	6401VD0024A	SPEAKER ASSEMBLY, FULL RANGE(R) RZ-42PX40 R
121	6401VD0025A	SPEAKER ASSEMBLY, FULL RANGE(L) RZ-42PX40 L
200	6348Q-E080N	PDP, 42” 852*480 PDP42V70102.AKLGG
201	6871QCH053A	PWB(PCB) ASSEMBLY,DISPLAY CTRL ASSY HAND INSERT 42V7 FPGA
202	6871QDH084A	PWB(PCB) ASSEMBLY,DISPLAY YDRV ASSY HAND INSERT 42V7 YDRV TOP B/D
203	6871QDH085A	PWB(PCB) ASSEMBLY,DISPLAY YDRV ASSY HAND INSERT 42V7 YDRV BTM B/D
204	6871QLH047A	PWB(PCB) ASSEMBLY,DISPLAY XRLT ASSY HAND INSERT 42V7 XL B/D
205	6871QRH055A	PWB(PCB) ASSEMBLY,DISPLAY XRRT ASSY HAND INSERT 42V7 XR B/D
206	6871QYH036A	PWB(PCB) ASSEMBLY,DISPLAY YSUS ASSY HAND INSERT 42V7
207	6871QZH041A	PWB(PCB) ASSEMBLY,DISPLAY ZSUS ASSY HAND INSERT 42V7
300	3091V00863B	CABINET ASSEMBLY, 42PX4DV-EA DF054A SECOND TOOL FOR LGEMA PHANTOM
301	3110V00445C	CASE, TOP RT-42PX40 EGI C/SKD
302	3110V00444C	CASE, BOTTOM RT-42PX40 EGI C/SKD
303	3110V00442C	CASE, MODULE SIDE RT-42PX40 EGI RIGHT C/SKD
304	3110V00443C	CASE, MODULE SIDE RT-42PX40 EGI LEFT C/SKD
400	3809V00513L	BACK COVER ASSEMBL, 42PX4RV-ZA SKD FOR LGEMA NO HANDLE
401	3301V00073D	PLATE ASSEMBLY, ASSY 3300V00520A 3300V00496F ENGLAND ONLY
410	4980V00C84B	SUPPORTER, ASSY AL 42PX40X C/SKD
430	3501V00216G	BOARD ASSEMBLY, ASSY AP-42DX40 MF056C SECOND TOOL FOR LGEMA PHANTOM
501	3301V00055F	PLATE ASSEMBLY, AV 3301V00053F 3301V00054A DI-42PX40 ASSY
520	6871VMMZK4A	PWB(PCB) ASSEMBLY,MAIN DF-054A MANUAL
530	6871VSMK17A	PWB(PCB) ASSEMBLY,SUB DF054A IDTV CONTROL B/D ASSY
531	5020V01075A	BUTTON, CONTROL 42PX40 ABS, HF-380 8KEY 2ND DIE LGEMA
560	6871VSMK12A	PWB(PCB) ASSEMBLY,SUB DF054A IDTV DIGITAL B/D
580	6709V00010A	POWER SUPPLY ASSEMBLY, MF056A 350W YPSU-J006A LG INNOTEK PSU ASSY
600	6871VSMK19A	PWB(PCB) ASSEMBLY,SUB SUB DF054A IDTV DI-42PX40 SIDE A/V
601	4811V00357A	BRACKET ASSEMBLY,m SIDE AV 42 SECOND TOOL FOR LGEMA PHANTOM

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
IC		
IC100	0IMMRSS107B	K4S281632F-UC75,LF 54P,TSOP
IC1000	0IPRPML001A	MIC39100 3P SOT223 R/TP LDO TYPE 2.5V
IC1001	0IMCRRH001A	BA033FP-E2 3P-SOP,TO252-3 R/TP 3.3V
IC1002	0IMCRFA010A	KA7809R, FAIRCHILD 2P D-PAK, R/TP IC
IC1003	0IPMG00027A	SC156515M-1.8TR 5P/TO-263-5
IC1004	0IMCRRH001A	BA033FP-E2 3P-SOP,TO252-3 R/TP 3.3V
IC1005	0IMCRRH001A	BA033FP-E2 3P-SOP,TO252-3 R/TP 3.3V
IC101	6927V1126AA	SOFT WARE, 1.4CV 435C PDP DF054A
IC102	0IMMRSS107B	K4S281632F-UC75,LF 54P,TSOP
IC103	0IMCRSG012A	STI5516SUC STM 388P BGA
IC104	0IMMR00024A	24LC256T-I/SMG(PB FREE) MICRO
IC106	0IKE702700D	KIA7027AF 3, SOT-89 TP RESET IC 2.7V
IC1100	0IMCRRH001A	BA033FP-E2 3P-SOP,TO252-3 R/TP 3.3V
IC1101	0IPRPML001A	MIC39100 3P SOT223 R/TP LDO TYPE 2.5V
IC1102	0IPMG00027A	SC156515M-1.8TR 5P/TO-263-5 R/TP 1.5A
IC1103	0IPMGKE030A	KIA78R05F KEC 5PIN DPAK R/TP 1A,5V LDO
IC1104	0IPMG00027A	SC156515M-1.8TR 5P/TO-263-5 R/TP 1.5A
IC1105	0IPRPML001A	MIC39100 3P SOT223 R/TP LDO TYPE 2.5V
IC1106	0IMCRRH001A	BA033FP-E2 3P-SOP,TO252-3 R/TP 3.3V
IC1200	0IPRPS5005A	SII9011CLU(PB FREE) SILICON IMAGE 128P
IC1201	0IMMR00018A	24LC02BT-I/SNG(PB FREE) MICRO
IC200	0IPRP00009A	ICL3232CBNZ INTERSIL 16P/SOP R/TP
IC201	0IPH742440F	74LVC244AD PHILIPS 20P SOP R/TP
IC202	0IPH742440F	74LVC244AD PHILIPS 20P SOP R/TP
IC202	0IPMGON013B	MC34063ADR2G ON SEMI SO-8P R/TP
IC203	0IMCRTI021A	SN74LVTH541PWR 20P TSSOP R/TP
IC204	0IMCRTI021A	SN74LVTH541PWR 20P TSSOP R/TP
IC207	0ITO741570C	TC74LCX157FT 16P,TSSOP TP
IC211	0IPMGKE030A	KIA78R05F KEC 5PIN DPAK R/TP 1A,5V LDO
IC300	0ISO206900A	CXA2069Q QFP64 BK I2C BUS AV S/W
IC301	0ISA721700C	LA7217M MFP14 TP SYNC SEPARATOR
IC301	0ISTLPH048A	74LVC245APW PHILIPS 20 TSSOP R/TP
IC302	0IPH743730E	74HCT373 D 20SOP R/TP
IC303	0IPH743730E	74HCT373 D 20SOP R/TP
IC304	0IMCR02020A	AT90FJR-5VTX(CIMAX-TM) ATMEL 128P/PQFP
IC400	0IMCRMN028B	MSP4410K MICRONAS 80P/PQFP
IC401	0IMCRFA010A	KA7809R, FAIRCHILD 2P D-PAK, R/TP IC
IC401	0IMCRNL001A	NSP-6241B NEOFIDELITY 64P TQFP
IC402	0IMCRTI028C	TAS5122DCAR 56P/TSSOP R/TP 30W
IC403	0IPH741400E	74HC14D 14SOP TP SHITTER TRIGGER
IC404	0ISS455880A	KA4558D 8SOP OP AMP
IC404	0ISS455880A	KA4558D 8SOP OP AMP
IC405	0IMCRNS007C	LMS1587CS-ADJ 3P TO-263 R/TP 1.5V
IC406	0IMCRNS007C	LMS1587CS-ADJ 3P TO-263 R/TP 1.5V
IC500	0IMMR00018A	24LC02BT-I/SNG(PB FREE) MICRO
IC502	0IPH741400E	74HC14D 14SOP TP SHITTER TRIGGER
IC600	0IPRP00009A	ICL3232CBNZ INTERSIL 16P/SOP
IC604	0ITO741570C	TC74LCX157FT 16P,TSSOP TP
IC605	0ITO741570C	TC74LCX157FT 16P,TSSOP TP
IC700	0IMCR02006A	FLI8125BB-LF GENESIS 208P/PQFP
IC701	0IMMR00023A	24LC32AT-I/SNG(PB FREE) MICRO

LOCA. NO	PART NO	DESCRIPTION
IC703	6927V1125AA	SOFT WARE3.15V E2E5 PDP DF054A 42PX4DV-EA
IC800	0IMCR02005A	FLI8532BD-LF GENESIS 416P/PBGA
IC802	0IMMR00023A	24LC32AT-I/SNG(PB FREE) MICRO
IC802	0IMP242560A	24LC256-I/SM 8P,SOP TP 256K IIC
IC900	6927V1124AB	SOFT WARE1.4CV 69A9 PDP DF054A 42PX4DV
IC901	0IMMR00002A	K4D261638F-LC50,LF TSOPII 66P
IC902	0IMMR00002A	K4D261638F-LC50,LF TSOPII 66P
TRANSISTOR		
IC1202	0TR830009BA	BSS83 TP PHILIPS N-CHANNEL S/W TR
IC1203	0TR830009BA	BSS83 TP PHILIPS N-CHANNEL S/W TR
IC200	0TR830009BA	BSS83 TP PHILIPS N-CHANNEL S/W TR
IC201	0TR830009BA	BSS83 TP PHILIPS N-CHANNEL S/W TR
IC503	0TR830009BA	BSS83 TP PHILIPS N-CHANNEL S/W TR
IC504	0TR830009BA	BSS83 TP PHILIPS N-CHANNEL S/W TR
Q100	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q1000	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q1001	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q1002	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q1003	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q1004	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q101	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q102	0TR102008AA	KRA102S R/TP KEC SOT23 CHIP TR
Q103	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q104	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q105	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q106	0TR102008AA	KRA102S R/TP KEC SOT23 CHIP TR
Q1200	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q200	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q201	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q202	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q203	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q204	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q205	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q206	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q207	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q300	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q301	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q302	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q303	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q304	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q305	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q306	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q307	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q400	0TR102008AA	KRA102S R/TP KEC SOT23 CHIP TR
Q400	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q401	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q401	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q402	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q402	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q403	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q404	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q405	0TR102008AA	KRA102S R/TP KEC SOT23 CHIP TR

For Capacitor & Resistors, the charactors at 2nd and 3rd digit in the P/No. means as follows;

CC, CX, CK, CN : Ceramic
CQ : Polyestor
CE : Electrolytic

RD : Carbon Film
RS : Metal Oxide Film
RN : Metal Film
RF : Fusible

LOCA. NO	PART NO	DESCRIPTION
Q406	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q407	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q408	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q409	0TR102008AA	KRA102S R/TP KEC SOT23 CHIP TR
Q410	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q411	0TR102008AA	KRA102S R/TP KEC SOT23 CHIP TR
Q413	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q414	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q500	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q503	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q504	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
DIODE		
D100	0DD226239AA	KDS226 TP KEC
D1005	0DD226239AA	KDS226 TP KEC
D1006	0DD226239AA	KDS226 TP KEC
D1007	0DD226239AA	KDS226 TP KEC
D1008	0DD226239AA	KDS226 TP KEC
D1009	0DD226239AA	KDS226 TP KEC
D101	0DD226239AA	KDS226 TP KEC
D1010	0DD226239AA	KDS226 TP KEC
D1011	0DD200009AF	RU2M V(1) TP SANKEN
D1012	0DD200009AF	RU2M V(1) TP SANKEN
D102	0DD226239AA	KDS226 TP KEC
D103	0DD226239AA	KDS226 TP KEC
D104	0DD226239AA	KDS226 TP KEC
D105	0DD226239AA	KDS226 TP KEC
D106	0DD226239AA	KDS226 TP KEC
D107	0DD226239AA	KDS226 TP KEC
D108	0DD226239AA	KDS226 TP KEC
D109	0DD226239AA	KDS226 TP KEC
D110	0DD226239AA	KDS226 TP KEC
D1100	0DD226239AA	KDS226 TP KEC
D1105	0DD226239AA	KDS226 TP KEC
D1106	0DD226239AA	KDS226 TP KEC
D1107	0DD226239AA	KDS226 TP KEC
D1109	0DD226239AA	KDS226 TP KEC
D111	0DD226239AA	KDS226 TP KEC
D1110	0DD226239AA	KDS226 TP KEC
D1200	0DD184009AA	KDS184 TP KEC - 85V - 300MA
D200	0DD226239AA	KDS226 TP KEC
D201	0DD226239AA	KDS226 TP KEC
D201	0DS113379BA	1SS133 T-72 TP KOREA DO34 90V
D202	0DD226239AA	KDS226 TP KEC
D300	0DD226239AA	KDS226 TP KEC
D401	0DD226239AA	KDS226 TP KEC
D500	0DD226239AA	KDS226 TP KEC
D501	0DD226239AA	KDS226 TP KEC
D502	0DD226239AA	KDS226 TP KEC
D503	0DR050008AA	SD05.TC R/TP SOD323 5V 5A 15A
D504	0DR050008AA	SD05.TC R/TP SOD323 5V 5A 15A
D505	0DR050008AA	SD05.TC R/TP SOD323 5V 5A 15A

LOCA. NO	PART NO	DESCRIPTION
D506	0DR050008AA	SD05.TC R/TP SOD323 5V 5A 15A
ZD100	0DR050008AA	SD05.TC R/TP SOD323 5V 5A 15A
ZD101	0DR050008AA	SD05.TC R/TP SOD323 5V 5A 15A
ZD102	0DR050008AA	SD05.TC R/TP SOD323 5V 5A 15A
ZD301	0DR050008AA	SD05.TC R/TP SOD323 5V 5A 15A
ZD302	0DR050008AA	SD05.TC R/TP SOD323 5V 5A 15A
ZD400	0DZRM00248A	RLZ8.2B-TE11 R/TP LLDS(LL-34) 500MW
ZD600	0DR050008AA	SD05.TC R/TP SOD323 5V 5A 15A
CAPACITOR		
C1000	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C1005	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C1007	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1009	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1010	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1019	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C103	0CE4763F618	47UF SRE,SE 16V 20% FL TP 5
C1030	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1043	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1046	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C1047	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1050	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C1051	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C1064	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1065	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1066	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1067	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1068	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1069	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1071	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C1073	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C108	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C1082	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1083	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1084	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1085	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1087	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C1098	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1099	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1102	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1105	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1107	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1108	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C111	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C1110	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C1115	0CE477DJ618	470UF STD 35V 20% FL TP 5
C1116	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C1117	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C1118	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C1119	0CE477DJ618	470UF STD 35V 20% FL TP 5
C112	0CE106SH6DC	10UF MVG 25V 20% SMD R/TP
C1120	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD

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LOCA. NO	PART NO	DESCRIPTION
C1126	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C1135	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1136	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1137	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1138	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1148	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1149	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1150	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1151	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1154	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1159	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1160	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1162	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1165	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1166	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C117	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD
C118	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C1185	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1186	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1187	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1188	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1189	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C119	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C1190	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1191	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1192	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1193	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1195	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1199	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C120	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C1200	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C1201	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C121	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C121	0CE106SH6DC	10UF MVG 25V 20% SMD R/TP
C1225	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C1230	0CK105DF64A	1UF 2012 16V 20% R/TP F(Y5V)
C1231	0CK105DF64A	1UF 2012 16V 20% R/TP F(Y5V)
C1245	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C1247	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C126	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD
C1304	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1306	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1307	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C131	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C1310	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1313	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1318	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C132	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C1321	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C140	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1404	0CE475SK6DC	4.7UF MVG 50V 20% SMD R/TP
C1405	0CE475SK6DC	4.7UF MVG 50V 20% SMD R/TP

LOCA. NO	PART NO	DESCRIPTION
C1431	0CE106SH6DC	10UF MVG 25V 20% SMD R/TP
C1432	0CE106SH6DC	10UF MVG 25V 20% SMD R/TP
C144	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1440	0CE106SH6DC	10UF MVG 25V 20% SMD R/TP
C1441	0CE106SH6DC	10UF MVG 25V 20% SMD R/TP
C1443	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD
C1443	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C1444	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD
C1444	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C1445	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD
C1445	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C1446	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD
C1446	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C149	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD
C150	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD
C1501	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1502	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1503	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1504	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1505	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1506	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1507	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1508	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1511	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C1513	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1513	0CE476VK6DC	47UF MV 50V 20% R/TP(SMD) SMD
C1513	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C1516	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C174	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C175	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C176	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1812	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C200	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD
C201	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD
C201	0CE475SK6DC	4.7UF MVG 50V 20% SMD R/TP
C202	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD
C202	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C203	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C203	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD
C204	0CE475SK6DC	4.7UF MVG 50V 20% SMD R/TP
C212	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C216	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C221	0CE476VK6DC	47UF MV 50V 20% R/TP(SMD) SMD
C223	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C269	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C270	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C271	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C271	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C272	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C277	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD
C278	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C282	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD

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LOCA. NO	PART NO	DESCRIPTION
C283	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD
C291	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD
C293	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C300	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C302	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C304	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C304	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C305	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C308	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C312	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP
C313	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD
C316	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP
C317	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP
C319	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP
C320	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C321	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C322	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C324	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP
C327	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP
C328	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP
C332	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP
C335	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP
C338	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP
C343	0CE105SK6DC	1UF MVG 50V 20% SMD R/TP
C344	0CE105SK6DC	1UF MVG 50V 20% SMD R/TP
C349	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C351	0CE475SK6DC	4.7UF MVG 50V 20% SMD R/TP
C353	0CE475SK6DC	4.7UF MVG 50V 20% SMD R/TP
C355	0CE475SK6DC	4.7UF MVG 50V 20% SMD R/TP
C356	0CE475SK6DC	4.7UF MVG 50V 20% SMD R/TP
C402	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C403	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C403	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C404	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C412	0CE106SH6DC	10UF MVG 25V 20% SMD R/TP
C413	0CE106SH6DC	10UF MVG 25V 20% SMD R/TP
C413	0CE335VK6DC	3.3UF MV 50V 20% R/TP(SMD) SMD
C418	0CE106SH6DC	10UF MVG 25V 20% SMD R/TP
C418	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C422	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C423	0CE106SH6DC	10UF MVG 25V 20% SMD R/TP
C425	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C428	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD
C431	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C433	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C434	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C436	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C437	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C438	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C444	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C451	0CK105DF64A	1UF 2012 16V 20% R/TP F(Y5V)
C456	0CK105DF64A	1UF 2012 16V 20% R/TP F(Y5V)

LOCA. NO	PART NO	DESCRIPTION
C457	0CE335VK6DC	3.3UF MV 50V 20% R/TP(SMD) SMD
C462	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C463	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C464	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C465	0CE106SK6DC	10UF MVG 50V 20% SMD R/TP
C480	0CE108DJ618	1000UF STD 35V 20% FL TP 5
C481	0CE475SK6DC	4.7UF MVG 50V 20% SMD R/TP
C482	0CE475SK6DC	4.7UF MVG 50V 20% SMD R/TP
C483	0CF4741L438	0.47UF D 63V 5% TP 5 M/PE NI
C484	0CF4741L438	0.47UF D 63V 5% TP 5 M/PE NI
C495	0CE108DJ618	1000UF STD 35V 20% FL TP 5
C512	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C525	0CE106SH6DC	10UF MVG 25V 20% SMD R/TP
C610	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C624	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C627	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C728	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C729	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C730	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C731	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C735	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C737	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C739	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C745	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C750	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C752	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C760	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C762	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C764	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C767	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C771	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C832	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C833	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C834	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C835	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C836	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C837	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C838	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C839	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C840	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C851	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C853	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C884	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C896	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C901	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C904	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C905	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C930	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C946	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C947	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C950	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP

LOCA. NO	PART NO	DESCRIPTION
COIL		
L1000	6140VB0004B	26UH 1UEWPHY 22.5TURN YL-9N 0.4
L1101	6140VB0004B	26UH 1UEWPHY 22.5TURN YL-9N 0.4
L1102	6140VB0004B	26UH 1UEWPHY 22.5TURN YL-9N 0.4
L1103	6140VB0004B	26UH 1UEWPHY 22.5TURN YL-9N 0.4
L1104	6140VB0004B	26UH 1UEWPHY 22.5TURN YL-9N 0.4
L1124	6140VB0004B	26UH 1UEWPHY 22.5TURN YL-9N 0.4
L227	6140VB0004B	26UH 1UEWPHY 22.5TURN YL-9N 0.4
L404	6140VB0004B	26UH 1UEWPHY 22.5TURN YL-9N 0.4
L404	6140VB0024A	LPK-1322A SOOJUNG 22UH +-10%
L405	6140VB0024A	LPK-1322A SOOJUNG 22UH +-10%
L406	6140VB0024A	LPK-1322A SOOJUNG 22UH +-10%
L407	6140VB0024A	LPK-1322A SOOJUNG 22UH +-10%
L508	6140VB0004B	26UH 1UEWPHY 22.5TURN YL-9N 0.4
CONNECTOR		
C1	387-G07L	7P 2.5MM 700MM H-H UL1007AWG26
C10	6631V25084B	12P 2.5MM 150MM H-H UL1007AWG24
C11	6631V39013N	8P 3.96MM 900MM H-H UL1617AWG22
C12	6631V39022D	4P 3.96MM 250MM H-H UL1007AWG18
C13	6631V39023D	10P 3.96MM 250MM H-H UL1007AWG18
C2	387-J12L	12P 2.5MM 700MM H-H UL1185AWG26
C3	6631V00020J	3P 3.96MM 400MM H-W UL1672 AWG18
C4	6631V00045G	10P 2.5MM 400MM H-H UL1007AWG24
C5	6631V10008A	31P 1.0MM 50MM F-F UL2896
C6	6631V12009B	4P 1.25MM 150MM H-H UL1061AWG26
C7	6631V12047L	13P 1.25MM 700MM H-H UL1061AWG28
C8	6631V25051B	4P 2.5MM 150MM H-H UL1007 AWG26
C9	6631V25083E	7P 2.5MM 300MM H-H UL1007 AWG24
CN205	366-921L	GIL-G-12P LGC 12PIN 2.54MM STICK
JK500	6630G70016A	A03-7071-094 SPG 15P 2.29MM RG
JK601	6630G70017A	A02-0915-101 SPG 9P 2.54MM RS232
RESISTOR		
AR1200	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24
AR1201	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24
AR1202	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24
AR1203	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24
AR1204	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24
AR1205	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24
AR1301	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24
AR1302	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24
AR1303	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24
AR1304	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24
AR1305	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24
AR1306	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24
AR200	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24
AR201	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24
AR202	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24
AR203	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24
AR301	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24

LOCA. NO	PART NO	DESCRIPTION
AR302	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24
AR303	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24
AR304	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24
AR305	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24
AR306	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24
AR307	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24
AR308	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24
AR309	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24
AR310	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24
AR311	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24
AR312	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24
AR313	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24
AR314	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24
AR315	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24
AR316	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24
AR317	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24
AR318	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24
AR319	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24
AR320	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24
AR700	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24
AR701	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24
AR702	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24
AR703	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24
AR704	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24
AR705	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24
AR806	0RRZVTA001B	MNR14-E0A-J-510 R OHM 51 OHM 5%
AR807	0RRZVTA001B	MNR14-E0A-J-510 R OHM 51 OHM 5%
AR808	0RRZVTA001B	MNR14-E0A-J-510 R OHM 51 OHM 5%
AR809	0RRZVTA001B	MNR14-E0A-J-510 R OHM 51 OHM 5%
AR810	0RRZVTA001B	MNR14-E0A-J-510 R OHM 51 OHM 5%
AR811	0RRZVTA001B	MNR14-E0A-J-510 R OHM 51 OHM 5%
AR812	0RRZVTA001B	MNR14-E0A-J-510 R OHM 51 OHM 5%
AR813	0RRZVTA001B	MNR14-E0A-J-510 R OHM 51 OHM 5%
AR814	0RRZVTA001B	MNR14-E0A-J-510 R OHM 51 OHM 5%
AR815	0RRZVTA001B	MNR14-E0A-J-510 R OHM 51 OHM 5%
AR816	0RRZVTA001B	MNR14-E0A-J-510 R OHM 51 OHM 5%
AR817	0RRZVTA001B	MNR14-E0A-J-510 R OHM 51 OHM 5%
R222	0RD0331H609	3.3 OHM 1/2 W 5.00% TA52
LED		
D1003	0DL233309AC	SAM2333 TP GREEN:10MCD, RED:6MCD
D1101	0DL233309AC	SAM2333 TP GREEN:10MCD, RED:6MCD
D1102	0DL233309AC	SAM2333 TP GREEN:10MCD, RED:6MCD
D1103	0DL233309AC	SAM2333 TP GREEN:10MCD, RED:6MCD
D1104	0DL233309AC	SAM2333 TP GREEN:10MCD, RED:6MCD
LED200	0DL233309AC	SAM2333 TP GREEN:10MCD, RED:6MCD
LED201	0DL233309AC	SAM2333 TP GREEN:10MCD, RED:6MCD
LED203	0DL233309AC	SAM2333 TP GREEN:10MCD, RED:6MCD
LED204	0DL233309AC	SAM2333 TP GREEN:10MCD, RED:6MCD
LED400	0DL233309AC	SAM2333 TP GREEN:10MCD, RED:6MCD

LOCA. NO	PART NO	DESCRIPTION
SWITCH		
SW1	6600VR1004A	SKHMPW 5P CHIP TACT J-ALPS .V .A
SW101	140-315A	TACT SKHV17910B 12V 0.05A HORIZONTAL 160G
SW102	140-315A	TACT SKHV17910B 12V 0.05A HORIZONTAL 160G
SW103	140-315A	TACT SKHV17910B 12V 0.05A HORIZONTAL 160G
SW104	140-315A	TACT SKHV17910B 12V 0.05A HORIZONTAL 160G
SW105	140-315A	TACT SKHV17910B 12V 0.05A HORIZONTAL 160G
SW106	140-315A	TACT SKHV17910B 12V 0.05A HORIZONTAL 160G
SW107	140-315A	TACT SKHV17910B 12V 0.05A HORIZONTAL 160G
SW108	140-315A	TACT SKHV17910B 12V 0.05A HORIZONTAL 160G
SW700	6600VR1004A	SKHMPW 5P CHIP TACT J-ALPS .V .A
SW800	6600VR1004A	SKHMPW 5P CHIP TACT J-ALPS .V .A
FILTER & CRYSTAL		
L100	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1004	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1005	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1006	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1007	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1008	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1009	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L101	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1010	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1011	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1012	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1013	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1014	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1015	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1016	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1017	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1018	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1019	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1020	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1021	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1022	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1023	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1024	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1025	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1026	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1027	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L103	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L104	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L105	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L106	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L107	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L108	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L109	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L110	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L110	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1105	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1106	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP

LOCA. NO	PART NO	DESCRIPTION
L1107	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1108	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1109	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L111	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L111	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1110	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1111	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1112	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1113	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1114	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1115	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1116	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1117	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1118	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1119	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L112	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1120	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1121	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1122	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1123	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1125	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1126	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1127	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1128	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1129	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L113	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1130	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1131	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1132	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L114	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L116	6200JB8010L	MLB-201209-1000L-N2 R/TP 1000OHM 350MA
L117	6200JB8010L	MLB-201209-1000L-N2 R/TP 1000OHM 350MA
L1204	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1205	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1206	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1207	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1208	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1209	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L121	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L122	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L123	6200JB8010L	MLB-201209-1000L-N2 R/TP 1000OHM 350MA
L124	6200JB8010L	MLB-201209-1000L-N2 R/TP 1000OHM 350MA
L128	6210VC0005A	BK2125 HS 750 2X1.25X0.85MM R/TP
L129	6210VC0005A	BK2125 HS 750 2X1.25X0.85MM R/TP
L13	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L130	6210VC0005A	BK2125 HS 750 2X1.25X0.85MM R/TP
L1301	6200JB8010L	MLB-201209-1000L-N2 R/TP 1000OHM 350MA
L131	6210VC0005A	BK2125 HS 750 2X1.25X0.85MM R/TP
L132	6210VC0005A	BK2125 HS 750 2X1.25X0.85MM R/TP
L14	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L15	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L16	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP

LOCA. NO	PART NO	DESCRIPTION
L17	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L18	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L200	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L201	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L202	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L202	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L203	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L204	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L205	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L206	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L211	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L217	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L218	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L219	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L220	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L221	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L222	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L224	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L225	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L226	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L228	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L300	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L301	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L301	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L302	6200JB8010L	MLB-201209-1000L-N2 R/TP 1000OHM 350MA
L303	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L304	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L305	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L306	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L307	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L400	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L400	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L401	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L402	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L403	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L403	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L405	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L408	6200JB8010L	MLB-201209-1000L-N2 R/TP 1000OHM 350MA
L409	6200JB8010L	MLB-201209-1000L-N2 R/TP 1000OHM 350MA
L410	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L411	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L414	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L500	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L502	6200JB8010L	MLB-201209-1000L-N2 R/TP 1000OHM 350MA
L503	6200JB8010L	MLB-201209-1000L-N2 R/TP 1000OHM 350MA
L506	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L508	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L604	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L606	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L607	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L800	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L901	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP

LOCA. NO	PART NO	DESCRIPTION
L902	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
X1	6212AA2998A	RESONATOR,CRYSTAL HLX-308 32.768KHZ
X1200	6212AB2845A	RESONATOR,CRYSTAL ABLS-27.000MHZ
X300	166-E02F	RESONATOR,CERAMIC CSBLA500KECZF09-B0
X400	156-A02M	RESONATOR,CRYSTAL HC49U 18.432MHZ
X700	6212AB2844A	RESONATOR,CRYSTAL ABLS-19.6608MHZ
X800	6212AB2844A	RESONATOR,CRYSTAL ABLS-19.6608MHZ
JACK		
JK101	6612J00043C	UPJ-R1-031 UGCOM S/T
JK101	6613V00026A	UJB-03-28A UGCOM 6613V00004S
JK102	6612J00043C	UPJ-R1-031 UGCOM S/T,SCART
JK103	6612J00043C	UPJ-R1-031 UGCOM S/T,SCART
JK104	6612J10012A	UJB-05-02C UGCOM COMPONENT
JK105	6612J00038B	UJB-03-25B UGCOM 6612J00038A+RED
JK1200	6612B00015B	DC1R019WDH JAE 0.5MM
JK400	6612J00037A	UJB-02-12A UGCOM 2P
JK502	6612F00087A	UEJ-CV-032 UGCOM EAR
JK600	6612F00087A	UEJ-CV-032 UGCOM EAR
ACCESSORIES		
A1	3828VA0536A	MANUAL,OWNERS LG EN 141D TX
A2	6710V00141D	REMOTE CONTROLLER,DF054A DI-42PX40 63KEY
A3	6410VBH003C	POWER CORD,MP5004(13A)+V1625
MISCELLANEOUS		
C14	6850J00004B	CABLE,DVI LVDS UL20276 AWG30 600MM
C15	6851V00022E	CABLE,COAXIAL UL1365#26 VW-1
C16	6851V00022H	CABLE,COAXIAL UL1365#VW-1 400MM
PA101	6712000010A	REMOTE CONTROLLER RECEIVER,KSM913TC1E
TU200	6700DP0001A	TUNER, TDFB-G235P
TU201	6634D00009D	ADAPTER,RF TASA-G202D
TU201	6700MF0012C	TUNER, TAFM-W103P LGIT MULTI
X2	6204V00001H	OSCILLATOR, VCXO HALF 27.0HZ 100PPM

1. SCART &AV JACK

JK101
SCART JACK

JK103
SCART JACK

JK104
COMPONENT JACK

JK102
SCART JACK

JK105
UJB0325B

JK106
TOTX179

SEPARABLE GROUND R

SPDIF OUT JACK

42PX4DV (U.K.) ==>>READY
42PX4DVA(GERMANY)==>>APPLICATION

50PX4D (U.K.)==>>READY
42PX5D (U.K.)==>>READY
42PX5DA(ITALY)==>>APPLICATION

4. AUDIO BLOCK

IC400
MSP4410K

IC484
KA4558D

JK400

3. AV SWITCH

SCART3 Input
Video 3

Back Input
Video 4

Front Input
Video 5
Front AV Input #1

Scart2 Input
Video 2

Scart1 Input
Video 1

2 TUNER Input

MNT OUT
SCART3

SUB OUT
CVBS/S

MAIN OUT
CVBS/S

IC921
LX7217M

9. DDR MEMORY

IC903

IC900
MX29LV800BT

IC901

IC902

	JTAG	NORMAL
R913	OPT	0
R914	0	OPT
R915	10K	OPT
R916	OPT	10K
R921	OPT	22
R923	22	OPT

8. CORTEZ

IC800

ADATA[0~7]:HDMI_G
ADATA[8~15]:HDMI_R
ADATA[16~23]:HDMI_B

INDEX

42PX4DV (U.K.) ==>>READY
42PX4DVA(GERMANY)==>>READY
50PX4D (U.K.)==>>APPLICATION
42PX5D (U.K.)==>>APPLICATION
42PX5DA(ITALY)==>>APPLICATION

6. RS232C & FAN

42PX4DV (U.K.) ==>>READY
42PX4DVA(GERMANY)==>>READY

50PX4D (U.K.)==>>APPLICATION
42PX5D (U.K.)==>>APPLICATION
42PX5DA(ITALY)==>>APPLICATION

FAN

JK601
69107-0921

I2C CORTEZ OR STI

SPDIF SWITCHING IC

42PX4DV (U.K.) ==>>READY
42PX4DVA(GERMANY)==>>APPLICATION

50PX4D (U.K.)==>>READY
42PX5D (U.K.)==>>READY
42PX5DA(ITALY)==>>APPLICATION

11. POWER

P1100
10PIN 2.5MM STICK

L1124
42PX4DV (U.K.) ==>READY
42PX4DVA(GERMANY)==>READY
50PX4D (U.K.)==>APPLICATION
42PX5D (U.K.)==>APPLICATION
42PX5DA(ITALY)==>APPLICATION

2. TUNER

TALM-W501P
TU201

5. RGB & FLAT CABLE

SPLITER VCC SUPPLY
(SMD TYPE)

	R669	R670
42PX4DV (U.K.)	OPT	0 Ohm
42PX4DVA(GERMANY)	0 Ohm	OPT
50PX4D (U.K.)	OPT	OPT
42PX5D (U.K.)	OPT	0 Ohm
42PX5DA(ITALY)	0 Ohm	OPT

TUNER & FLAT CABLE

RS-232C READY

CN201 UART_CON

IC207 74LCX157

TDFB-G235P

TU200

31P_FLAT_A CN204

656 SIGNAL

31P_FLAT_B CN203

IC201 74LVC244

IC202 74LVC244

IC203 74LVT541

IC204 74LVT541

12. HDMI Rx

IC1201 24LC02BT-I/SN(PB FREE)

IC1200 SiI9012

K1200 HDMI Receiver

656_SIGNAL

HPD OPERATION

NORMAL	L
POWER ON	H (100ms)

ADATA[16-23]:HDMI_B
ADATA[0-7]:HDMI_G
ADATA[8-15]:HDMI_R

CIMAX & CI SLOT

IC304 CIMAX

PCMCIA_SOCKET CN301

IC301 74LVC245

IC302 74HCT373

IC303 74HCT373

7. HUDSON

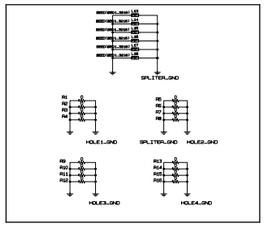
IC701 24LC32AT-I/SN(IRB FREE)

IC700 FL18125

ADATA[16-23]:HDMI_B
ADATA[0-7]:HDMI_G
ADATA[8-15]:HDMI_R

STI 5516

SEPARABLE GROUND R L

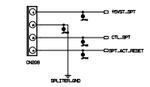


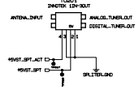
IC103
STi5516C

SPLITER & POWER

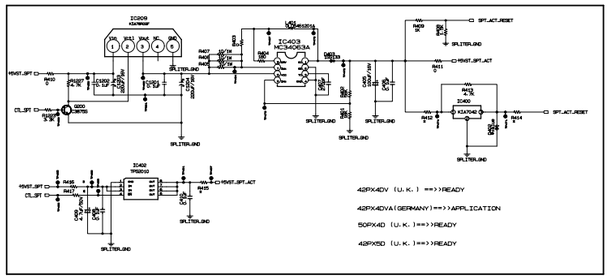
SPLITER

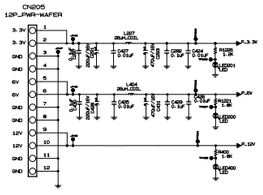
4P VERTICAL SMD TYPE

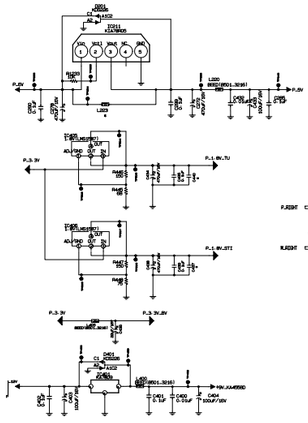


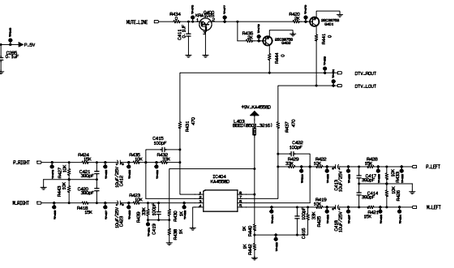


5V BYPASS CIRCUIT

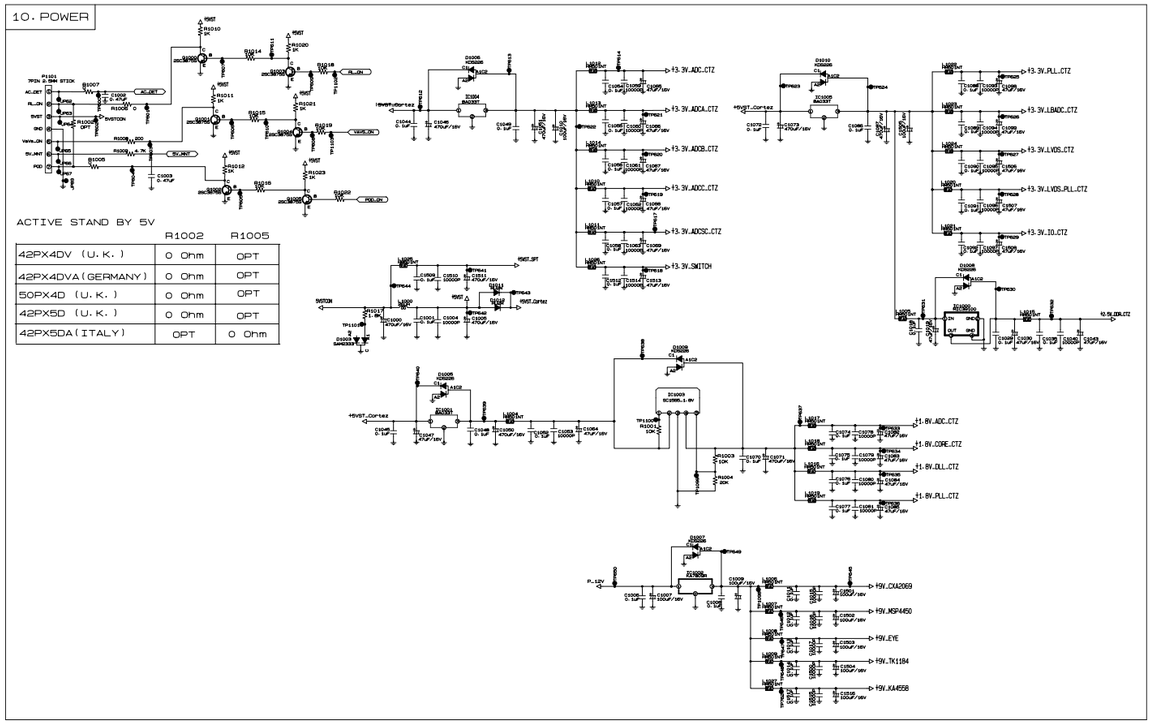








10. POWER



ACTIVE STAND BY 5V

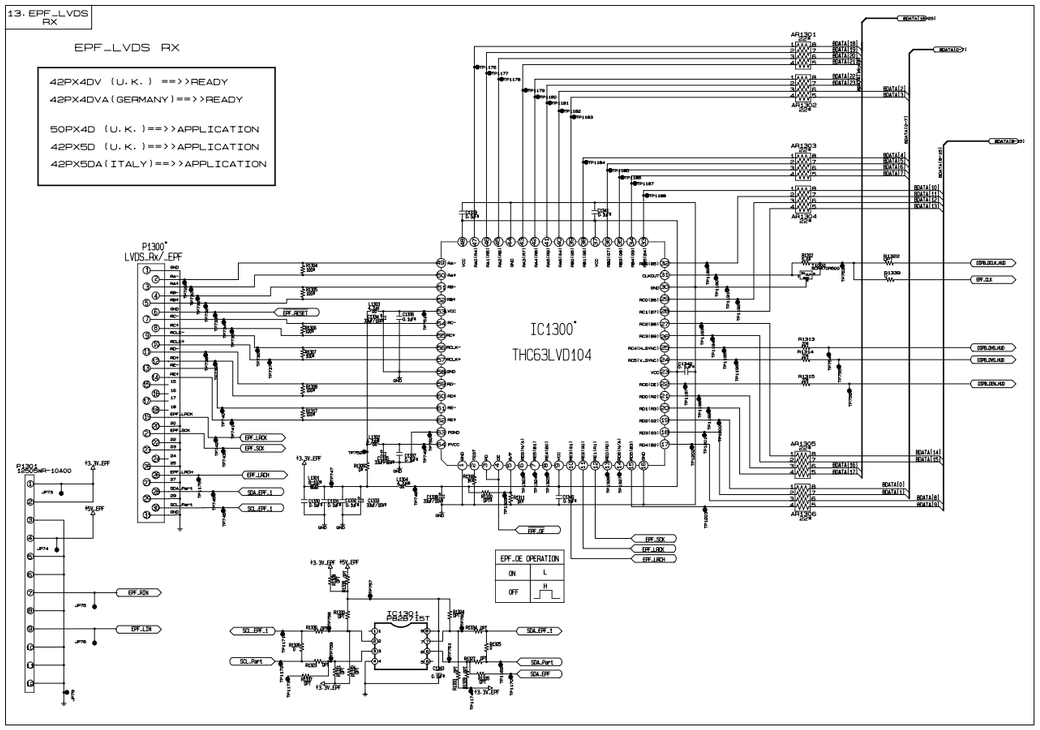
	R1002	R1005
42PX4DV (U.K.)	0 Ohm	OPT
42PX4DVA(GERMANY)	0 Ohm	OPT
50PX4D (U.K.)	0 Ohm	OPT
42PX5D (U.K.)	0 Ohm	OPT
42PX5DA(ITALY)	OPT	0 Ohm

13. EPF_LVDS RX

EPF_LVDS RX

42PX4DV (U.K.) ==>>READY
42PX4DVA(GERMANY)==>>READY

50PX4D (U.K.)==>>APPLICATION
42PX5D (U.K.)==>>APPLICATION
42PX5DA(ITALY)==>>APPLICATION



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